

§	2	96 88:23 97 73:21; 74:6 98 84:9	190:5; 232:20 accurately 45:3; 241:15 achieve 29:21; 40:23; 46:4, 14 achieved 29:21; 203:1 achievement 41:3 achieving 27:12; 131:15 acid 144:20; 145:3, 23; 146:23; 151:2; 209:15, 20, 23; 210:20; 211:1, 4, 16 acknowledged 240:19 acknowledges 5:5 acoustic 213:6; 215:6 acoustical 223:7, 15 acoustics 213:12; 223:13 acquire 110:21 acquired 23:6 acquisition 25:16; 54:16 across 39:22; 49:17; 122:14; 125:25; 145:14; 171:21, 23; 179:24; 180:3, 11 acted 181:3 action 77:24; 201:8; 230:7, 13; 232:21 actions 39:23 actively 133:3 activities 14:4; 53:15; 60:7; 132:2; 134:20, 25; 135:11, 12, 13; 161:22; 162:5; 180:20; 198:24 activity 14:25; 125:6; 133:2; 216:15; 242:19 actual 29:13; 33:6, 25; 38:1; 95:11; 187:7; 192:10 actually 6:14; 7:20; 11:12, 17; 12:2, 6, 18; 13:11; 14:1, 14; 15:18; 16:9; 17:3, 10; 18:4, 12; 19:16; 20:5, 10; 22:15; 28:4; 29:9, 11, 15, 20, 20; 30:2, 4, 12; 31:2, 14, 15; 32:20, 23, 24; 33:9, 22, 24; 34:1, 5, 11; 35:16, 19; 36:15, 20; 40:1; 41:8; 42:4; 59:8; 65:12; 70:10; 71:14; 76:5; 78:19; 79:5, 8, 14; 81:22; 93:19; 95:19; 99:22; 101:12; 103:17; 109:22; 111:5; 116:6; 118:20; 119:10; 120:7, 11, 15; 121:5; 123:1, 14; 136:5; 150:3; 154:5; 156:11; 162:9, 10; 163:22; 169:21; 170:7, 9; 171:7; 173:9, 23; 174:5, 23; 176:22; 177:25; 185:6, 23, 24; 186:3; 188:6; 189:16; 192:11, 13; 193:17; 194:2, 8; 209:17; 210:12; 212:19; 213:2; 218:17; 220:5, 6; 236:10; 237:7; 239:7; 240:9; 241:9, 18; 253:21; 254:18 add 45:5; 51:17; 58:20; 179:18; 185:16; 211:19;	247:8 added 49:3; 89:24; 224:6 addicted 256:25 adding 44:1, 2 addition 43:3; 50:5; 91:17; 101:25; 102:8; 144:20; 145:2, 23; 146:22; 151:2; 209:23; 210:8, 11, 12, 19; 211:1, 4, 16; 212:15; 214:21; 241:6; 248:10 additional 11:10; 101:3; 140:20; 201:21; 209:15; 240:14; 243:15 additions 167:8 address 5:15; 22:11; 39:23; 40:11; 61:14; 79:11; 87:2; 89:22, 25; 92:1; 94:12; 104:24; 109:3; 119:13; 128:12; 156:2; 157:14; 178:7; 193:14; 209:8; 219:20, 23; 235:8 addressed 95:13; 101:18; 124:18; 177:12; 208:18; 218:15; 237:12; 256:19 addresses 4:5; 15:11; 91:15 addressing 49:5; 129:18; 169:8 adds 242:21 adequate 152:18; 155:14 adjourn 224:16; 258:3 adjourned 258:6 adjust 15:19, 22; 201:8; 205:8, 18; 230:6 adjusting 230:13 administrative 132:6 administrators 30:16 admitted 66:23 adopt 10:19; 11:2; 12:8; 22:2; 183:12 adopted 48:15; 233:8; 252:10 adopting 10:11; 236:7 adoption 233:3, 20 advance 97:23; 230:1 advancement 115:6; 125:16 advantage 11:10, 25; 16:22; 17:9, 14, 19; 20:24; 134:2; 180:10 advantages 10:19; 16:24 adverse 127:17; 197:24 adversely 128:16; 197:19 advice 13:8; 34:17; 115:23; 235:23; 243:2, 9 advisory 10:8 advocates 225:11 Affairs 7:16; 88:3; 128:6; 173:4; 178:21 affect 143:1, 2 affected 39:3, 24; 40:2;
\$150,000 83:20; 105:10 \$200,000 83:20	2 63:5; 145:22; 251:3 20 102:16; 105:8; 119:15; 131:11 20/20 228:14 2000 30:8; 186:9, 24 2002 89:6 20th 66:20 21 26:12; 27:21; 29:8; 64:23 21st 13:11; 15:2; 73:16; 76:8 25 180:15; 203:13 2:15 171:23	A		
1	3	A&M 96:23 a.m 137:25 AAMI 91:1, 4, 4, 22 AAPS 8:12 abide 118:25 ability 19:8; 36:16, 18; 123:11; 156:10; 159:19; 202:18; 208:20; 217:10; 229:5 able 7:14; 9:25; 19:6; 25:7; 37:7; 41:2; 45:8; 53:10, 12; 54:23; 58:3; 63:24; 66:10; 67:1, 19; 68:25; 69:19; 76:16; 78:23; 91:1; 94:5; 100:21; 106:15; 118:5; 121:9; 124:20; 141:7; 143:16; 150:24; 151:3; 157:14, 23; 168:7; 176:18; 191:2; 196:12, 13; 201:15; 202:25; 205:8; 208:10; 217:2, 7; 218:9; 226:22; 227:8; 233:7; 234:22; 238:8; 239:10; 244:17; 249:22; 252:16 abnormal 105:18 about-and 26:18 above 108:19 absence 55:19; 109:4; 226:12 absent 226:4 absolute 188:23 absolutely 43:22; 50:21; 103:20; 119:2; 124:19; 126:14; 128:24; 189:1; 195:17; 205:23; 206:19; 210:18 academic 4:13 academics 257:17 accelerated 41:9 accept 162:7; 214:15; 242:8; 245:8 acceptable 11:1; 94:10; 100:20; 113:18 acceptance 152:24; 155:2; 225:4; 229:3; 232:14; 235:17 accepted 78:16 access 30:15, 25; 44:18; 45:15; 156:17 accomplish 153:21 accordance 77:7 account 21:4; 35:6 accumulate 201:14 accumulating 156:11 accuracy 66:1; 157:1; 169:17 accurate 45:9; 55:4; 68:20; 69:17; 156:9;	1	
1 92:21; 138:2; 145:22 1.0 84:16; 149:18 10 11:16; 84:11; 251:3 100 184:8; 256:2 100-fold 146:10 101 167:10 10:33-10:48 96:17 11 22:12, 21; 24:17, 20; 25:1, 3, 16; 26:2, 12; 27:21; 29:9; 38:21; 39:9; 41:6; 42:10, 16, 20, 22; 43:7, 9, 13; 44:7; 45:18, 23; 46:21; 48:10; 49:23; 50:16; 51:11, 14; 62:25; 63:7; 69:6, 8, 15, 15; 70:2, 4; 71:4, 20; 72:6, 16; 73:18; 75:21; 76:1, 5, 10, 11, 22, 24; 77:3, 6, 10, 14, 22; 78:12, 14, 25; 79:9, 15, 22; 97:2, 11; 100:5; 104:23; 105:4; 111:2, 9, 22; 112:4; 129:6; 140:13, 14; 155:24, 25; 156:3; 157:8, 16, 24; 158:24; 160:3; 162:17; 163:3; 165:4, 14, 16; 194:2; 195:5, 8; 200:7; 242:2, 4, 16; 257:24 11-minute 224:17 11.70 64:23 1119 172:4 11:46 137:25 12 90:24; 114:5 1210 228:16 1223 230:25 12A-30 4:24 13 90:24 139 138:2 15 27:17; 96:16; 131:11; 140:19; 145:19; 167:4; 187:15 15-minute 171:22 16 255:3 18 255:3 18-month 41:9 19-whenver 173:16 1920 169:18; 170:8 1925 38:10 1991 90:21 1997 39:10; 42:18; 66:20; 71:13 1997-we 41:5 1999 63:5 1:00 138:1 1:57 171:22	3 145:22 30 11:16; 136:12; 140:18 320 84:13 3200 84:10 3:34 224:16 3:45 224:16	4		
2	4	5		
3	4 145:22 400-page 96:4 4000 146:20; 187:15; 192:14 43 77:10 4:35 258:5	6		
4	5 145:22 510(k) 90:7	7		
5	64 228:6 68 91:4, 12	8		
6	75 136:12	9		
7	80 120:18			
8	90 84:13; 244:7 90-10 244:7 92 84:8 95 88:23			

56:9, 9; 62:25; 143:23;
147:10; 150:18; 209:4
affects 144:13
affected 55:14; 124:6;
4
afternoon 23:12, 21;
24:9; 140:1; 151:11;
155:18
afterwards 245:23
Again 34:17; 35:1; 36:11,
22; 38:25; 45:10, 16, 16,
16; 64:3, 10; 65:17; 67:10;
72:5, 6; 73:20; 108:6;
111:1; 115:17; 124:7;
138:10; 140:18; 142:20;
143:2; 146:7, 20, 23;
148:3, 14, 20; 153:8;
154:18; 162:3; 165:2, 2,
23; 166:4, 16; 169:4;
178:18; 194:4; 214:6;
221:1; 226:1; 227:16;
244:21; 257:12
against 31:18; 65:13;
122:13; 213:15; 217:7
agencies 34:4; 196:4
agency 22:13, 17, 18;
31:4; 34:17; 36:25; 56:24;
57:23; 62:23; 65:21;
66:18, 23; 68:25; 72:9;
73:7; 99:8; 106:25; 107:5;
109:5, 7, 18; 113:22;
114:6, 13, 17; 120:21;
121:5; 141:4; 151:20;
154:6, 7, 16;
175:16, 23, 25; 174:1, 2, 5;
175:11; 197:5; 238:12;
243:20; 245:21; 256:16
agency's 4:23; 107:21;
108:5; 114:23
agenda 5:10; 25:21
agendas 27:7
agitate 148:17
agitated 147:16
agitating 185:25
agitation 148:18, 20, 21;
210:13
agitator 147:11
ago 7:20; 47:17; 74:1;
228:13
agree 57:6; 80:11; 84:25;
107:20; 110:25; 125:13;
220:17; 247:24, 24
agreed 244:13; 249:20
agreement 55:16; 124:8
agrees 112:22; 127:18
ahead 60:19; 61:15; 62:2;
73:23; 129:24; 180:21;
192:11, 14; 253:8, 9
aid 117:3
aiming 211:22
aim 2:10, 22; 78:9
236:24
Ajaz 6:10; 24:18; 25:9, 11,
19; 36:3; 37:3; 44:4; 48:1;
63:17; 95:5; 106:18;
107:3; 111:8; 123:5;

126:20; 127:7; 131:24;
141:4; 177:17; 178:4;
184:25; 192:23; 207:13;
210:23; 217:23; 221:2;
243:4; 246:21; 248:24;
257:13, 23; 258:1
alert 257:7
algorithm 34:6, 7, 8, 13;
116:12; 176:20
algorithms 101:1
align 203:10
Allentown 62:11
alleviate 104:25; 178:10
allow 48:6; 66:9; 140:19;
201:10; 210:14; 214:24
allowed 14:11; 120:19,
25; 163:25; 170:5; 176:25
allowing 48:12; 57:14;
65:21
allows 16:21; 32:11;
35:6, 7; 112:17; 117:14;
150:25; 182:4; 252:20
alluded 172:23; 250:17
almost 46:14; 56:14;
66:25; 117:2; 120:8;
124:13; 129:8; 161:19;
162:3; 163:17; 166:19;
167:10; 169:1
along 41:21; 60:15, 20,
24; 61:3; 63:2; 84:23;
101:19; 106:11; 133:7;
140:17; 165:21; 167:12;
232:13, 24; 239:14
alternate 239:25
alternative 227:22; 231:1
Although 13:18; 19:9;
24:3, 13; 42:22; 67:22;
111:14; 115:5; 171:1;
224:10; 236:17; 250:21;
252:24; 257:4
always 40:23; 44:12;
79:24; 97:23; 98:4;
142:21; 151:16; 154:18;
163:7; 172:20; 175:13, 18;
187:19; 194:12; 204:1;
239:1; 257:25
amazed 98:6
amendment 154:16
American 91:2
among 227:21
amount 42:12, 13; 43:14,
24; 46:9; 56:14; 100:17;
101:11; 102:6; 113:21;
119:1; 142:7; 149:22, 24;
172:11; 193:1; 196:24;
223:22
amounts 100:22; 159:11;
167:14; 216:17
analogous 216:20
analogy 105:24
analyses 132:18
analysis 11:11, 19;
29:25; 38:2; 47:12; 53:19,
20; 57:19; 78:23; 94:16;
113:15, 20, 20; 114:5;
190:9; 240:15; 244:21

analytical 6:20; 32:4;
33:19; 103:13; 132:16;
154:9; 156:25; 223:2, 2
analyze 70:9, 11
analyzed 10:25; 132:11
analyzer 28:14; 71:3;
105:25; 106:4; 177:22
analyzers 35:9
analyzing 113:22; 132:9
anchor 165:21
anchoring 256:12
ancillary 60:7; 61:6
and/or 22:2
ANDERSON 183:2, 11,
21; 184:13, 19, 22
announcement 4:5
annual 201:18
answered 116:14;
133:25; 193:17
antenna 78:8, 8
anticipate 98:4, 8;
138:22
anticipation 180:1, 2
anymore 91:7; 114:3;
116:17
AP 167:22
API 144:10; 148:6; 151:4;
152:5; 153:25; 181:23;
182:8
apologize 6:15
apparent 77:25; 234:4
appear 34:11; 98:22;
214:9; 221:20
appearance 4:7
appearing 220:2
appears 175:5
Applause 258:4
apple 232:16
applicability 4:9, 12
applicable 234:24
application 30:24; 77:12;
80:18; 86:20; 90:17, 17;
182:4; 195:4; 212:12;
214:19; 237:4; 249:24
applications 130:14;
141:13; 157:2; 183:25;
212:10
applied 64:1; 87:20, 21,
23; 88:1; 89:19; 152:21;
162:2; 168:13
applies 22:21; 71:20
apply 4:15; 5:3; 38:14;
43:21; 52:4, 15; 53:7, 18;
54:18; 76:13, 14; 86:8, 25;
88:6, 16; 89:16; 103:13;
114:6; 149:13; 207:5;
215:6; 248:19; 249:8, 20
applying 121:10; 125:23;
247:10; 249:12
appraisal 47:5
appreciate 22:25;
155:21; 219:12
appreciation 239:6
approach 10:20; 12:1,

17; 13:12; 14:20; 16:4;
17:8, 21; 20:6, 13; 26:14;
28:18; 29:24; 31:8; 47:5,
13, 14; 48:2, 4, 4; 54:19;
61:15; 73:11; 80:20; 81:9;
104:5; 105:2; 106:25;
108:4; 115:3; 126:25;
131:18; 136:8; 159:3;
170:25; 171:1, 10; 176:11;
181:21, 24; 183:16; 188:7;
197:2; 199:22; 217:9, 19,
21; 225:13; 240:21;
252:10, 20; 253:13
approaches 10:19;
18:21, 23; 100:21; 104:9;
110:14; 131:15; 176:8
approaching 104:11;
113:1
appropriate 48:8; 57:18;
66:11; 87:17, 18, 19, 21,
22; 88:6; 94:13; 101:5, 24;
102:7; 107:14, 24; 192:17;
212:8
approval 20:7; 21:7;
33:4, 25; 78:17; 151:20;
156:3; 204:17, 22, 25;
231:25; 238:25
approvals 138:24
approve 166:7
approved 33:15, 23;
34:2; 60:22; 84:15, 16;
128:4; 167:15; 175:2;
219:8; 220:20, 22
April 66:20; 225:8
arbitrary 168:21
archival 61:23
archive 34:21; 240:3
archived 60:6; 103:4
archiving 32:19; 34:18;
43:14; 44:9, 14; 45:11, 12;
54:8, 11; 115:5; 116:20;
194:3; 198:23; 199:2
archiving--somebody
199:24
Arden 257:8, 8, 11
are--and 185:8
area 26:9; 38:13; 44:6;
62:13; 68:3; 116:3; 120:8;
140:15; 146:15; 159:8;
163:10; 164:14; 174:14;
177:1; 186:25; 190:21
areas 37:10; 38:9; 50:25;
62:20; 91:18; 121:13;
124:12; 157:18; 179:21;
226:10
areas--I 67:11
arena 8:10
argue 79:19, 19
argument 128:11;
221:15
arise 31:13
around 28:13; 38:19, 20;
45:22; 48:10; 58:15; 73:8;
88:13; 99:3; 102:17;
107:9; 131:3; 133:17;
135:21, 21, 22; 136:7;
158:10, 23; 159:19; 160:4;

193:16; 222:12; 245:22;
247:20; 248:1
arrow 146:13
Art 176:7; 206:9; 208:20;
240:20; 243:23; 246:18;
253:16; 254:2
arterial 94:7
article 232:9
artifacts 190:12
ASCII 198:15
asked--let 246:9
aspect 15:12; 19:21;
50:7, 8; 132:1; 190:8;
200:14; 201:5; 211:13
aspects 43:9; 64:4;
101:25; 131:7; 154:2;
174:23; 195:20; 199:20;
203:8; 248:17
assay 232:20; 247:18
assays 225:20
assess 18:10, 22; 103:15
assessment 11:4; 15:25;
16:15; 19:12; 47:2, 13;
58:8
assessments 116:16
assignment 14:3
associate 155:19
associated 30:17; 60:6;
70:21; 134:24; 137:5;
225:6
assume 188:23; 189:4;
192:10
assuming 59:18
assumption 237:9
assurance 13:23; 28:19;
40:12; 42:11; 45:20;
54:24; 55:4; 127:16;
131:20, 20; 152:5; 154:25
assurances 45:7
assure 36:13; 47:6; 66:8
assured 26:8
assures 110:2
ASTM 198:21; 248:12
AstraZeneca 36:13
at-line 11:5, 7, 24; 12:2,
15; 145:6; 147:18; 148:15
Atlanta 9:13
attempt 88:15; 237:25
attempted 194:2
attempts 117:17
attention 30:18; 158:12;
171:17; 232:10
attitudes 229:3
attract 222:14
attractive 183:22
attribute 42:9
attributes 15:18, 22, 25;
37:2; 40:24; 118:4, 17;
126:10; 143:3; 151:4;
181:23; 209:4; 218:4, 5;
226:21; 231:4
audience 8:19; 9:1;
155:17
audio-vision 138:19

audit 30:5, 9; 31:12; 35:13; 43:22, 23; 50:2, 3; 52:2; 63:25; 68:25; 71:1; 156:7, 19; 162:20, 20
audited 70:3; 119:22
auditors 165:2
August 63:5
author 255:11, 12
authorities 36:7
authorizations 65:25
automated 40:14; 46:11, 12; 67:13; 86:4; 168:17
automatic 43:21
automatically 237:10
automation 46:9; 67:14
availability 168:22
available 5:21; 92:24; 96:15; 101:23; 105:11; 156:8
average 48:5; 113:16
averages 49:2
avoid 106:8
Award 134:15
aware 37:15; 242:15
awareness 42:22; 239:13
away 15:8; 64:16; 70:22; 71:12; 84:3, 4; 108:3; 111:22; 114:15; 117:24; 118:1; 138:24; 174:7; 181:11; 213:10; 215:20; 217:3; 224:11; 253:20
awful 54:2
axiom 80:9
axis 145:20, 21

B

B 80:23
back 25:2; 34:15; 35:14; 39:10; 46:16; 49:24; 50:12; 51:1; 56:2; 63:12; 65:22; 68:21; 69:16; 76:25; 77:21; 78:7, 23, 24; 79:24; 80:15; 89:10, 17; 95:10; 103:8; 104:3; 111:14; 112:6; 116:22, 25; 118:21; 124:7, 14; 126:12; 127:10; 129:13; 135:11; 137:13, 23; 156:19; 157:17, 21; 165:2, 24; 166:21; 174:2, 3; 177:18; 178:16; 190:1; 193:8; 195:7; 196:15; 201:7, 10; 202:11, 17; 204:14; 206:3; 208:18, 21; 210:8; 213:5; 223:19, 21; 224:3; 250:11; 255:3
background 9:3; 21:15; 27:15; 64:15; 146:4
backgrounds 179:19
backup 17:16; 211:18
bad 17:15
balance 33:20; 42:9, 12, 14; 47:5, 7; 56:6, 21; 82:12

Baldrige 134:14
ball 161:19
bank 116:10
bantering 136:7
bar 123:3
barrier 101:17; 172:16; 244:22
barriers 244:5
base 19:10; 50:23; 51:4; 73:11; 135:2; 199:25
based 13:22; 16:9; 18:19, 20; 21:14; 39:1; 51:20; 83:7, 11; 102:24, 25; 103:17; 115:3; 118:6; 128:3; 149:16; 153:14; 162:11, 15; 168:6, 8, 10, 18, 22; 188:16; 192:16; 196:22; 203:13; 204:24, 25; 208:3; 228:4; 241:15; 247:20; 250:18; 251:3; 253:20
baseline 48:24
bases 108:13
basic 71:15; 72:7; 89:20; 135:7; 226:10
Basically 27:16; 28:14, 18; 30:12; 31:25; 53:2; 56:13; 73:10; 84:9; 86:14; 99:10; 148:23; 149:12; 156:5; 203:7; 225:15; 227:6; 232:14; 243:22
basis 7:25; 17:20; 32:12; 40:20; 60:25; 74:16; 117:8; 126:21; 127:5; 159:25; 180:19; 185:11, 13; 192:12; 193:7; 194:20; 215:23; 243:1
batch 23:9; 36:15, 21; 41:21; 52:23; 55:1; 56:3, 8, 9; 63:3; 74:20; 75:4; 111:16, 19, 20, 25; 112:19; 113:12; 115:25; 118:20; 121:6; 122:9; 123:15, 23; 136:20; 147:23; 185:20; 194:21; 195:15; 200:9, 16, 17, 19, 20; 202:4; 203:14, 14; 207:4; 212:18, 21, 22, 23; 216:14, 17
batch-wise 74:15
batches 37:1; 41:25; 42:3, 4; 75:2; 129:9; 149:23; 164:1; 175:2; 176:14; 177:3, 8; 182:22
bath 136:17
beam 145:11, 13, 15, 16; 152:19
bear 170:18; 207:23, 25
bearing 121:4; 160:11
became 137:3
become 10:13; 31:15; 38:11; 103:12; 104:2; 165:18; 175:6; 224:1
becomes 29:13; 33:14; 36:8; 102:20; 103:20; 106:20; 121:11; 160:24; 199:4; 200:16; 241:20; 252:19

becoming 93:10; 223:6
before-you 216:10
begin 31:13; 79:19; 249:19, 19, 19
beginning 28:21; 116:19; 142:2; 144:2; 189:8
behalf 62:22; 141:5
behave 175:19; 183:6
behind 124:14; 225:10
believes 85:1
below 203:13
benefit 42:15; 46:5; 58:21; 82:9, 12, 14; 118:24; 154:4; 180:8, 24; 207:3; 215:13
benefit-I 229:9
benefits 58:22; 173:17, 19; 252:22
Bensley 8:19
Bernard 9:10
best 26:20; 29:17; 64:19; 88:16; 118:24; 165:12; 204:20; 206:4; 207:2; 220:16; 240:1
bet 251:9
better 11:13; 12:12; 14:22; 19:11; 22:19; 26:25; 59:16; 112:6; 120:15; 149:1; 151:3, 9; 152:5; 153:22; 186:3, 15; 188:18; 189:14; 206:24, 25; 207:22; 208:13; 230:11, 16; 231:14, 22; 239:6; 247:2; 249:13; 252:5
beyond 84:15; 116:18; 173:10; 178:14; 197:8; 198:2; 201:22; 202:4; 203:18; 207:24
bias 189:22; 206:11
bible 130:2
big 25:17; 28:21; 36:9; 47:14; 87:5; 166:13; 181:2; 186:10; 215:2
bigger 6:15; 37:5
biggest 51:25; 177:19
bill 140:7
bimodal 189:19
binder 142:6; 143:14; 149:22; 214:21
binding 66:21
biological 216:13
biologically-derived 225:23
biomedical 9:1
biometrics 68:5
biotech 247:5
biotech-derived 225:19, 21
bit 43:23; 52:5; 56:12; 59:9; 60:9; 62:21; 64:11; 65:14, 17; 66:8; 69:25; 73:24; 101:13; 104:7; 108:14; 116:19; 118:7, 11, 15; 120:16; 124:6, 16;

141:6, 16, 19; 155:24; 157:19; 159:9; 160:5; 161:14; 189:14; 193:18; 194:13; 209:2; 213:1; 217:15; 230:9
bits 42:25; 216:22
black 146:4, 8; 253:16
blah-blah 174:19
blame 109:17; 222:2
blamed 222:3
blend 7:2; 10:3, 7, 9; 11:24; 12:4, 15; 16:7; 113:7, 10, 10, 24, 25; 114:4; 121:14; 122:19; 205:10
blender 102:14; 167:3
blending 36:2; 118:6, 9; 202:14; 205:7
blessing 252:6
blindly 76:12; 247:10
blocks 181:6, 6
blowing 169:13
blue 144:11; 148:8; 159:24
BMS 138:16; 141:5, 14; 147:7; 152:21; 178:25; 185:2; 190:19; 197:10; 221:22; 239:14; 241:5; 244:3
BMW 80:14, 23
board 11:15; 180:12; 237:13; 255:5
Bob 24:11; 25:22, 25; 27:1; 38:23; 43:15; 44:20; 59:7, 9; 103:9; 111:14; 116:23; 119:2; 172:23; 193:18
body 55:19; 56:20
Boehlert 4:19; 97:6
bold 225:13
bolster 229:7
bone 95:21
book 46:6; 228:13, 17; 253:24; 254:2; 255:9
boon 245:2
borrow 130:20
boss 83:20, 22
both 9:16; 18:16; 26:11; 48:22; 60:9; 89:12; 125:15; 131:14; 132:4; 138:16, 18; 167:22; 191:8; 223:24; 225:17; 243:19; 249:20; 251:22; 253:6
bother 126:6
bottom 127:18; 169:23; 170:6; 173:18
boundary 83:8; 142:20
bounds 15:24
box 168:9; 170:10; 173:2
brand-new 43:3; 214:19
brave 255:5
break 82:3; 96:16; 137:22; 171:22; 224:17
breaking 137:23
breakout 138:20; 224:19

breakouts 241:24
breaks 82:3
breakthrough 132:5; 135:15
brief 32:22; 39:4; 96:18; 140:5; 145:9; 171:25; 218:19; 224:18
brief-how 27:17
Briefly 18:6; 28:6; 161:21; 225:8; 231:24
bring 35:12, 15; 40:18, 19; 42:11; 44:7; 50:15; 51:13; 53:23; 73:16; 114:20; 120:4; 138:9; 207:16; 210:8; 216:22; 217:13
bringing 40:15; 41:17; 71:16; 208:4
brings 11:19; 18:2; 21:12; 35:10, 20; 207:23, 25; 212:3
Bristol-Myers 23:19; 140:6, 24; 155:20; 160:7; 178:17; 180:14; 207:17
broad 4:9; 47:20; 58:14; 217:21
broadening 14:7
broader 4:11; 49:16; 158:24
broadly 25:23
broken 82:4
Brookland 167:4
brought 40:13; 42:16; 105:8; 170:18; 194:17
bug 166:5, 7, 13
bugs 120:16; 165:12, 14
build 43:8; 45:6; 69:19; 83:19; 105:23; 157:17; 211:7; 218:6; 248:19
Building 4:25; 9:19, 22; 104:11; 185:17; 236:8; 239:11
builds 222:20
buildup 215:2, 21
built 17:9, 14; 18:7, 8, 17; 19:9; 20:17; 42:20, 23; 43:1; 103:21; 117:22; 131:25; 134:3
built-in 40:24; 109:19
bulk 185:19
burden 14:22; 162:23
buried 208:16
business 45:19; 46:5; 56:17; 62:25; 68:14; 87:10; 105:17; 147:6; 198:1; 199:5; 221:16; 238:6; 242:22; 251:16, 23
business-driven 57:10
button 71:9
buy 96:9; 174:15
buying 76:11
byproducts 184:12

C

C 138:2
143:22, 23
cal 87:12
calculate 94:6; 190:13
calculation 43:20; 95:9
calendar 90:22
calibrate 187:2; 190:4
calibrations 71:6
call 23:21; 76:1, 11;
80:13; 85:19; 87:4; 134:9;
191:20; 206:15, 16; 217:5;
234:8; 243:9
called 32:7; 33:11;
193:24; 194:3
calling 124:22; 238:21
calls 85:18, 22
came 6:1; 9:24; 64:7;
65:8; 69:1; 78:7, 18; 89:11;
96:20; 207:17; 238:11;
243:6
can 11:3; 12:2, 18; 15:3,
22; 16:23, 24; 17:3, 18;
18:3, 8; 19:16; 20:8, 9;
21:3; 22:23; 25:10; 30:2,
19, 23, 25; 31:1, 2, 15;
35:25; 36:1, 13; 38:16;
40:4, 23; 41:19; 44:16, 17,
17; 45:3, 14; 47:10; 54:24;
56:22; 57:1; 60:2, 9, 17;
61:2; 69:12; 71:11;
72:25; 76:7, 8; 80:11;
82:14; 90:2, 12; 93:12;
97:20; 101:9; 105:15;
108:12, 13; 109:18, 20;
110:4; 112:16; 114:14;
115:8; 116:11, 12, 16;
117:2; 118:21; 121:2;
123:22; 124:5, 8; 125:12;
130:9; 133:22, 22; 135:24;
138:11; 140:1; 142:17;
143:10; 144:8, 12; 145:4,
12, 19; 146:1, 2, 5, 12;
147:4, 24; 148:19; 149:6,
8, 9; 150:7, 12, 14, 22;
151:9; 160:4; 162:11, 15;
165:15; 166:5, 11; 168:9,
15, 17; 170:13; 175:11, 13;
176:4; 178:11; 179:3;
180:2, 12, 23; 181:15, 17;
182:15; 184:6, 10, 19;
185:9; 186:8, 22; 189:9,
22, 24, 25, 25; 190:5, 11,
19; 196:5, 17; 198:2, 3;
202:15, 23; 205:17;
206:11; 207:21, 22;
208:13, 18; 210:11;
211:12; 212:1, 19, 21, 22,
23; 214:3, 4, 20, 22; 216:2,
7; 218:15; 219:6; 220:1;
221:2; 227:20, 25;
228:3; 231:15; 232:23;
237:9; 239:23; 240:2, 2;
242:20; 243:9; 244:21;
246:4, 18; 247:8, 12;
248:9, 13; 249:13; 251:10,

14; 252:3; 253:7; 254:1,
17, 23; 255:7
capability 21:5; 51:6;
131:10; 135:12; 153:19
capacity 115:6; 193:19
capital 227:15
capsule 151:6
capsules 144:4
capture 52:4; 219:19
captured 56:1
carbon 83:9
care 121:16; 209:22
career 98:6
careful 58:18; 171:11;
217:20; 239:22
carefully 161:5
carried 144:25
carry 231:8
cart 161:16; 166:25;
167:1; 171:8
case 17:17, 19, 20; 23:11,
17, 20; 39:15; 51:20;
66:11; 68:9; 77:14; 78:2;
79:2; 88:22; 98:24;
109:25; 112:24; 141:9, 18;
142:6; 144:4; 145:24;
147:6, 10, 18, 21; 148:7;
150:11, 19; 151:2, 6;
177:3; 178:13; 187:13, 17,
17; 192:3; 209:14, 21, 25;
212:9, 9, 22; 219:11;
241:19; 242:22; 243:1, 1
cases 68:16; 168:14;
187:16; 225:9; 230:9;
238:6; 240:7
cast 140:16
casting 58:14
catastrophic 82:16, 16;
251:11
catch 201:17
categories 226:1
category 106:13, 16;
234:21
causal 19:6
cause 49:14; 56:4;
111:18, 24; 160:23; 166:5;
208:12; 224:6
causes 208:1; 241:5
caution 22:20
cautious 107:11
caveat 239:22, 24
CBM 9:15
CD 129:15
CDER 6:3; 9:15; 13:8;
22:17; 249:20
CDRH 22:6; 75:21; 76:6;
77:5; 79:15; 80:20; 87:12;
90:20, 24; 92:24; 93:23;
104:18; 248:5
cell 227:1; 228:8
cells 227:1, 2
Center 7:17, 17; 8:1;
9:17; 21:24; 75:16, 18;
77:11
centers 25:4

central 26:13
centrifuge 148:8, 11
century 13:12; 15:2;
73:17; 76:9; 245:3
certain 15:23; 24:24;
36:3; 51:21; 83:1, 5, 10,
10, 11; 94:22; 175:21, 22;
182:15; 205:9; 206:2;
211:15; 213:23; 218:3;
225:9
certainly 37:11; 51:5;
57:17; 62:24; 63:20; 64:1;
65:7; 67:23; 69:8; 73:23;
120:5; 123:9, 10, 18;
151:22; 155:20; 157:18;
159:4, 6, 12, 18; 194:1;
228:3, 7; 229:4; 235:15;
239:5; 240:5; 241:3;
247:9, 13
certainty 108:17
Certification 66:22;
110:5; 242:12
certify 66:18; 110:6
CFR 22:11; 26:12; 27:21;
29:9; 64:23
cGMP 17:25; 65:24;
245:13, 14; 256:14
cGMPs 15:2; 45:20
chair 24:14
challenge 6:17; 50:9;
73:18; 97:22; 128:5;
178:6, 24; 188:19
challenges 10:18; 23:24;
42:16; 178:24; 181:9;
185:12; 188:6, 9, 11;
240:14; 254:6
challenging 256:18
champion 244:9; 257:22,
22
championship 244:12
chance 8:13; 27:8; 249:2;
250:5
change 20:5, 6; 21:13;
36:2; 37:21; 59:21, 21, 22;
61:8; 102:7; 120:19;
121:4, 9; 123:11; 162:9;
166:6; 167:13; 176:25;
182:25; 191:17; 198:17;
207:1; 214:5; 230:22;
244:17
changed 27:7; 136:13
changes 67:2; 84:23;
86:20; 104:4, 10; 116:21;
143:1, 2, 4; 156:17; 174:2;
175:5, 10; 176:15, 18;
202:13; 211:15; 239:10;
241:5; 242:11; 247:5;
256:12
changing 35:22; 44:11;
148:6; 183:18; 191:10;
202:13, 14, 15; 210:19;
216:24
chapter 172:4, 5, 7
characteristics 143:21;
154:24; 213:23
characterization 223:3
charged 238:7; 249:11

cheaper 238:2
cheating 109:8
check 46:6; 191:11;
230:2
checking 168:16
checks 156:10
chemical 9:4; 19:18;
88:3; 96:23; 149:17;
198:23; 216:11; 225:17;
229:10; 231:5; 233:14, 18,
25; 234:9; 236:5; 246:25;
253:12, 22
Chemicals 62:10
Chemistry 8:1; 96:23;
143:1; 236:12
chemometric 94:20;
100:21; 164:6; 176:11;
217:9
chemometrics 16:11;
59:15, 22; 93:22; 177:9;
239:8; 241:3
chiefly 140:8
chipping 84:4
Chisholm 24:11; 25:22;
26:4, 24; 27:3, 6; 103:9;
115:14
Chiu 8:21; 174:22;
204:12; 205:4; 216:5;
233:2
choice 58:24; 116:7
choose 57:8, 13; 58:25;
205:21
Chris 8:25
chromatographic
244:21
chromatography
137:11
circles 165:1
circulating 193:16
circulation 189:12
citation 76:24; 77:10
cited 85:24
citing 85:4
citizenship 38:12
clarification 224:9; 242:1
clarify 104:24; 127:8;
175:11
Class 85:6, 8, 8, 9
classes 85:6
classical 117:19; 210:14;
225:18; 227:23; 252:10
classification 17:11;
19:22; 20:10; 28:15
clear 107:4, 5, 13; 108:1;
128:13; 195:7; 239:20
cleared 109:12
Clearly 15:25; 25:14;
26:19; 30:5; 32:14, 16;
33:8; 37:4; 81:1; 94:5;
97:9, 16, 21; 125:14;
126:11; 127:15; 153:16;
180:10; 242:2; 243:19;
244:4
clinical 19:13; 20:19;
34:24; 44:21; 78:9, 20;

80:4; 121:23; 204:24;
252:17
cloak 244:11
clobbers 175:19
clock 154:15
close 87:8; 126:5; 250:20
closely 147:4; 204:2;
206:23; 250:6
closer 175:16, 16; 206:21
closing 237:2; 249:25;
255:2
CMC 13:9; 152:3
co-authors 131:4
coalition 255:20
code 42:25; 50:13, 13;
68:3
cognizant 59:1
COHEN 192:9
cohorts 151:8
coin 221:8
collagen 95:20
colleagues 63:6; 138:3;
166:18; 207:11; 227:21
collect 102:7, 12; 113:17;
118:19; 164:9, 11; 165:7;
176:13, 22, 23; 197:13;
202:11; 208:17
collected 78:20; 112:25;
113:12, 14; 164:4; 171:2;
188:13
collecting 106:14;
159:11; 164:15; 197:21;
199:3
collection 102:9; 187:23
collectively 89:9
combination 101:13;
118:2
combine 43:12
comfortable 37:12;
48:14; 245:9
coming 25:8; 26:8; 27:14;
30:13, 16, 19; 32:4; 44:12;
49:24; 62:7; 90:11;
100:20; 101:11; 111:20;
124:7; 137:3; 182:24;
223:10, 19; 232:3; 255:1;
256:8; 257:17
comment 5:17; 50:4, 5;
95:4; 100:15; 102:10;
111:8; 119:8; 121:12;
126:19; 129:20; 131:24;
140:25; 159:18; 172:4;
177:18; 179:18; 189:2;
198:4; 222:16; 233:2;
241:9
commentary 64:17
comments 5:22, 24;
10:1, 9; 29:19; 69:23;
98:13, 17; 115:13; 125:20;
126:19; 160:11; 220:19;
222:20; 233:10; 243:15,
24; 246:21; 248:3
commercial 42:19; 43:2,
7; 50:7, 7; 51:18; 120:8;
121:6; 125:11; 155:10;
177:25; 178:1; 195:21;

197:14; 203:9; 234:23 commitment 39:25; 155:8; 242:25 committee 4:10; 5:7; 8:16, 23; 10:8; 25:10; 75:21; 76:1, 2; 101:18; 120:3; 167:15; 181:9; 219:16; 227:19; 238:17; 245:17; 257:14 committee's 220:17 common 39:17; 95:6; 131:14; 141:14; 147:22; 168:7; 189:10; 198:20 communicated 256:2 communication 120:13; 129:11; 181:7; 257:5 community 122:15; 238:5 companies 4:18; 18:11; 24:25; 34:12; 46:21; 48:7, 25; 77:8; 79:1; 92:25; 101:19; 107:22; 109:14; 114:8, 25; 133:3; 134:11, 16; 142:11; 162:23; 171:14; 172:13; 196:9; 221:5, 8; 225:12; 228:16; 242:8; 244:3, 6; 245:7 company 36:10; 39:25; 40:4; 56:23; 62:12; 72:10, 25; 73:12; 74:16; 78:2, 18, 19; 95:5, 20; 99:1, 4, 8, 11, 16, 21, 24; 100:6; 127:25; 162:25; 173:19; 174:6; 178:13; 207:15; 225:13; 229:13; 232:5; 244:9, 11; 251:12 company-wide 98:23 comparability 227:13; 229:22; 231:11; 246:25; 247:2, 5, 16 compare 65:12; 88:21; 110:21; 187:7; 217:2 compared 154:24; 185:17; 227:10; 247:2 comparing 190:10; 191:11 comparison 121:17; 155:5; 188:12, 14 compatible 218:13 compendial 227:11, 17; 230:17; 238:25; 239:1; 240:24 compendium 230:19 compensate 214:22; 215:8 compilation 55:2 compiled 52:15 complemented 40:14 complete 9:7; 20:24; 156:9 completeness 66:1 complex 19:18; 65:9; 103:24; 104:2; 166:11; 247:6; 252:2, 2; 253:11; 254:18 complexities 225:5	Compliance 6:4; 9:15; 26:10, 11; 46:4, 20, 23; 51:14; 55:14; 60:24; 62:10; 63:7, 10; 66:1; 69:14; 73:7, 12; 75:17; 77:7; 92:23; 93:8; 140:13, 14; 162:17; 165:5, 9, 14, 16 compliant 28:25; 32:13; 50:16; 76:16, 22; 129:7; 163:3 complicated 28:21; 51:11 complication 199:11 complied 70:2 compliment 244:2 comply 65:24; 67:25; 69:4; 71:4; 74:2 comply—we 69:13 component 12:5, 7; 16:2, 13; 68:12; 82:2; 127:6, 6 components 12:3, 7; 68:2; 87:17; 131:21; 156:6 compound 184:9 compounds 183:6 compress 215:18 compressed 62:15 compromise 65:8; 247:16 computer 21:19; 24:12; 26:1, 11; 29:5, 14, 16; 38:20; 39:14, 20; 41:17; 42:1; 44:10; 49:11, 13; 51:13; 53:6; 67:10; 68:10; 78:22; 79:23; 81:8; 82:10, 13, 19; 86:4; 96:3; 97:1; 137:3, 4; 156:22, 24 computer-related 254:8 computerize 96:2 computerized 26:7; 41:23 computers 44:11 computing 55:8 concept 11:21; 12:16; 14:16, 18; 15:6, 10, 14; 16:8; 17:1, 22; 19:22; 21:13; 22:19; 95:24; 124:9; 128:2; 136:6, 8; 164:5; 187:22; 197:10; 204:21; 217:24; 233:23; 236:6, 9; 237:13; 246:22; 247:25; 250:7; 251:17; 252:9 concept-based 243:17 conception 14:12; 15:5 concepts 10:6; 16:21; 88:6; 129:25; 248:2 conceptual 7:9; 15:11; 220:8 concern 20:3; 66:7, 8; 106:23; 107:8; 123:13, 13; 154:19; 179:9; 196:23; 197:17; 222:10; 250:14; 252:21 concerned 19:2; 67:17; 72:13; 106:10; 195:19;	246:6; 247:19 Concerning 24:17; 138:5; 230:21 concerns 12:14; 24:19; 31:13; 50:6; 73:21; 140:12; 160:20; 162:1; 198:11; 249:7 conclude 47:1 concluded 41:23; 148:11 concluding 248:25 conclusion 89:11; 170:20; 218:20; 247:12 conditions 213:18; 231:15 conduct 8:3; 56:3; 98:1 conducted 41:8 conference 214:12 confess 74:13 confidence 40:12; 46:3; 133:23; 150:17; 153:2; 185:17; 206:25; 218:6; 228:23; 229:8, 23; 232:7 confident 232:5 configuration 95:25; 156:18 configurations 189:9 confirmed 128:20 conflict 4:5 conflicts 5:3, 5, 8 conformance 60:21 confound 119:6 confronted 167:13 confusing 115:16 confusion 138:21; 234:16 Congress 85:1, 11; 174:1, 2 congruent 122:6 connect 20:14 connected 15:3 cons 227:22 consensus 225:1; 238:8, 15; 239:20; 242:2; 248:22 consequence 54:4 consequences 39:9; 237:16 conservative 106:25; 107:23; 173:18; 175:6; 176:8 consider 11:9; 22:9; 31:17; 33:3, 5; 34:3; 59:4; 70:23; 87:10; 154:3; 232:12; 234:6 consideration 179:11 considerations 27:22 considered 113:18; 127:3; 170:24; 235:13 consistency 49:18; 106:23; 191:11; 201:2 consistént 43:8; 49:8; 91:4, 5; 122:6; 151:4; 153:20, 24; 187:10; 191:5; 195:24; 197:16; 200:7, 10, 13; 207:19; 214:8; 218:17;	220:21; 232:20; 249:24 consistently 149:15; 209:17; 214:18; 236:21 consolidated 228:15 constraints 134:2 constraints— convincing 228:19 construct 202:20 construe 86:16 consultant 5:4; 90:22 consultation 154:17 consumer 232:24 contact 122:21 contain 85:10, 13 contained 86:17; 170:9; 236:1 containers 75:6, 6, 7 containment 170:9 contamination 228:6 contemplate 236:25 contemporaneously 64:13 content 12:20; 103:6; 106:18; 107:6, 15, 25; 117:23; 118:5; 121:14; 122:19 contentious 227:18 contents 50:3 context 22:23, 25; 233:16 continue 13:10; 238:1; 257:2, 3 continued 127:4 continuing 164:13 continuous 15:13; 16:20; 74:18, 20, 21; 111:20, 21; 126:20; 128:14, 15; 131:19, 20, 21; 132:4; 135:9, 14; 136:14, 17; 137:6, 15; 148:20, 21, 24 continuously 148:17; 189:15 contracts 7:25 control 16:3, 12; 19:13; 28:19; 29:12; 30:14, 23; 37:20; 38:1; 52:12; 54:6; 55:15; 59:12; 60:2, 3; 61:12; 66:1; 67:8, 20; 73:17; 85:16; 92:16; 94:13; 97:18; 98:10; 102:13; 110:7; 120:15; 132:9; 135:4, 5, 7, 11; 145:24; 148:16; 149:9, 10; 150:22; 151:4, 13; 152:1, 7; 153:3, 22; 166:6; 175:15; 181:20, 22; 182:21; 184:3, 11, 20; 205:5; 208:13, 22; 209:7, 14, 19; 210:1, 25; 212:5; 215:24; 241:2, 12, 16, 22; 245:1 controlled 70:2; 71:8; 144:21; 148:25; 211:2 controller 211:4 controlling 52:14; 151:1; 209:8; 240:16	controls 22:5, 9; 42:10; 45:6; 50:1; 53:7, 18, 22; 54:18; 66:2, 9, 12; 67:14; 69:20; 73:25; 74:10; 78:12, 13; 85:5, 7, 12; 86:1, 8; 100:4 controversial 189:22 conventional 225:18; 227:11; 229:21; 230:11, 16, 21; 231:14 converging 91:7 Conversely 117:10 converting 154:21 convince 122:10 cook 175:21 cooking 175:25 COOLEY 69:24; 70:8, 15; 71:3; 95:4; 105:1; 106:20; 110:25; 208:25; 210:3; 248:11 cooling 210:2 cooperation 250:8 coordinators 9:9 copied 65:3 copy 4:21; 64:4; 65:23; 66:10; 68:21; 70:23; 71:2; 78:24; 96:14; 135:19 copying 156:8 core 13:22; 158:22; 159:1 corporate 30:20, 23; 72:15; 78:22; 180:2 corporation 140:15; 179:24; 180:8, 16, 24 corporation's 256:13 corporations 256:21 corrected 120:17; 193:25 corrective 39:23; 201:8; 232:21 correctly 157:23; 167:20; 168:16 correlate 211:12 corroborated 227:10 cost 50:25; 57:19; 58:20; 81:17; 163:1; 208:14; 252:8 cost-benefit 57:19 couch 242:5 count 190:13; 226:22 counting 187:5; 226:24 country 50:17; 131:3; 163:13, 14 counts 192:7; 236:20 couple 8:11; 73:22; 76:4; 92:12; 129:9; 131:24; 200:25 course 26:11; 44:23; 59:19; 73:13, 14; 82:8; 114:13; 131:5; 154:9, 14; 170:21; 177:23; 179:22; 195:9; 201:19; 219:9; 227:13; 230:14; 243:8; 245:16; 248:1 cover 39:24; 126:13; 253:23
--	---	--	--	--

covered 39:13; 161:15
 covering 109:10
 covers 124:9
 covered 123:8
 covered 6:16
 create 14:2, 12; 33:9;
 44:14; 51:2; 63:24;
 112:16; 116:6; 149:24;
 154:21; 190:11
 created 34:10; 42:1;
 43:16; 45:3; 51:16; 53:21;
 54:24; 197:2; 255:18, 23
 creates 83:6
 creating 45:11; 71:23;
 213:1; 240:14; 255:19;
 256:7
 credit 88:21, 25
 crisis 179:15
 criteria 68:8; 73:17;
 105:14; 106:3; 123:23;
 152:24; 153:1; 155:2;
 199:9; 242:5; 247:6
 critical 12:3, 7; 16:3, 12;
 44:4, 5, 6; 48:11; 52:18,
 22, 24; 53:5, 10, 13, 17,
 20; 54:6, 25; 56:17; 57:5,
 15; 59:12; 60:2, 11, 13;
 61:12; 70:12; 94:6; 97:17;
 98:10; 101:8, 15; 103:7,
 12, 20; 104:2; 110:6;
 111:17, 18, 23, 24; 126:9;
 143:18; 150:6; 152:22;
 171:9; 176:2; 194:22;
 208:22; 209:4, 14;
 210:25; 241:11, 16
 criticality 48:13; 51:20;
 195:1
 critically 214:13
 criticized 18:22
 critique 9:25
 cross 246:5
 cross-section 144:8
 cross-train 245:23
 crossing 180:16
 crowd 157:6
 crystal 145:13; 161:19;
 202:13
 crystalline 218:24
 crystallization 143:4, 17;
 144:16, 19; 145:5; 146:6,
 22; 147:8; 150:13; 151:22,
 24; 154:1; 181:22; 182:8;
 183:3, 15; 185:5; 187:6;
 191:19; 209:16, 18, 25;
 210:11, 15; 211:2, 5
 crystallization-
 downstream 141:22
 crystallization-we
 150:12
 crystallize 183:17
 crystallized 145:2;
 241:19
 crystallizer 145:1, 5, 14;
 146:11; 148:4, 5, 6, 10;
 150:25
 crystallizers 146:16;

168:3; 170:16
 crystallizes 144:21
 crystals 141:23; 143:3,
 18; 145:8, 21; 147:3, 9, 14;
 148:5; 149:11, 14, 15, 20;
 150:18; 190:4; 205:11
 cubic 210:12
 culls 86:7
 culminates 243:12
 Cultural 228:18
 culture 173:15; 175:17;
 227:3; 256:13
 curious 142:11
 current 5:16; 11:2; 19:2;
 79:13; 98:19; 155:7;
 159:14; 204:17; 207:14;
 227:3; 228:4, 4; 234:5;
 250:15; 252:3
 currently 10:19; 12:4;
 28:13; 77:24; 91:22;
 103:25; 215:25; 235:4
 curriculum 7:23
 curve 146:7, 8; 169:18
 curves 146:23
 custom-built 39:19
 customer 172:17;
 252:13, 15, 19
 customers 67:21
 customized 51:14, 17
 customizing 51:3
 cut 160:13
 cut-off 108:19
 CVM 8:19
 cybernetics-and 37:20
 cycle 131:16; 253:4
 Cycles 91:3

D

D 35:4; 138:2; 219:1, 3
 damage 100:13
 danger 115:15; 169:13
 dare 213:19
 data 18:11, 19, 24; 19:1;
 20:21; 21:14; 23:6, 8; 28:1,
 20, 22, 24; 29:1; 30:3, 25;
 31:3, 6, 9, 15, 17; 32:3, 4,
 5, 10, 12; 33:19; 34:7, 19;
 35:24; 43:14, 19, 20, 23,
 24; 44:2, 9, 14, 16, 21, 23;
 45:2, 8, 17, 21; 47:13;
 48:11, 12; 49:5; 50:5; 52:8,
 8, 9, 18, 18, 22; 53:19, 19,
 21; 54:3, 7, 12, 14, 15, 17,
 17, 22, 22; 55:2, 4, 19, 23,
 25; 56:7, 11, 14, 19; 57:4,
 8, 9, 12, 22; 58:3, 4, 16, 17;
 59:23; 60:4, 5, 6, 20; 61:2;
 68:10; 70:21; 74:25; 75:1;
 79:2, 7, 10; 97:25; 98:5;
 99:4; 100:10, 17, 22, 24,
 25; 101:7, 11; 102:1, 3, 4,
 5, 6, 7, 9, 12, 13, 16, 17,
 19, 25; 103:1; 105:9, 15;

106:4, 6; 107:7, 12, 16, 24;
 108:9; 110:2, 5, 6, 9, 14,
 14, 17, 21, 22; 111:10, 10,
 20, 24; 112:1, 6, 16, 25;
 113:5, 11; 114:9, 22;
 115:2, 24; 116:1, 6, 9, 15,
 16, 20; 118:8, 19, 20;
 119:2; 120:16; 121:20, 24;
 122:3; 123:4, 16, 25;
 124:4, 22; 125:5, 12;
 126:19; 128:1; 129:11;
 137:3, 4; 150:16, 22;
 152:12; 156:7, 9; 159:10,
 11; 160:1; 162:15; 164:3,
 7, 14; 165:8; 166:17, 20;
 171:2, 3; 176:13, 22, 23;
 177:10; 179:12; 183:2;
 185:4; 189:23; 191:12;
 192:10, 15, 18; 193:2, 19,
 22; 194:5, 14, 17; 197:13,
 21, 22; 198:10, 12; 199:1;
 200:4, 15, 23; 201:7, 9, 14,
 15, 16; 202:9, 10, 15, 20,
 22, 24; 205:20, 21, 24;
 206:2, 7; 208:17; 215:22;
 217:2; 221:6, 13; 223:22;
 224:8, 10; 227:9; 229:23;
 230:11, 16; 231:13, 20, 21;
 232:5; 234:6; 235:7, 7;
 239:7, 18, 23; 240:2, 22;
 254:15, 16
 data-we 155:6
 database 32:1, 10; 79:7;
 187:7
 date 72:18; 156:7, 19;
 220:14
 Dave 136:7; 172:22
 David 127:11; 217:24;
 222:21; 240:9
 dawned 136:9, 22
 day 10:8; 15:9; 38:11, 15;
 84:17; 93:11; 102:15;
 103:9; 116:2; 119:16;
 169:12; 208:23; 217:14;
 222:20
 days 26:20; 46:10
 DCS 120:14
 de-emphasize 53:12
 deal 28:21; 67:12; 83:14;
 91:20; 102:3; 123:16;
 131:13; 152:4; 179:6;
 187:16; 208:1; 216:13;
 235:4, 8; 257:18
 dealing 41:18; 72:8
 dealt 136:15; 172:11;
 204:12
 DEAN 103:8; 108:11;
 109:1, 17; 126:18
 debating 102:12
 Debbie's 99:7
 Deborah 62:7, 8; 75:14
 decade 39:16; 251:13
 December 8:5
 decent 246:16
 decide 57:4; 110:22;
 111:23; 120:13; 134:7;
 164:7, 10

decide-when 37:3
 decided 63:12; 68:4;
 85:12; 100:9; 129:13
 deciding 122:8
 decision 10:11; 12:24;
 33:17; 60:12; 77:13;
 101:7; 105:23; 108:4, 18;
 111:6; 116:3; 121:23;
 195:15; 200:18; 204:25;
 212:9
 decision-making 80:7;
 103:2; 110:18
 decisions 7:2; 16:12;
 18:4, 19, 20, 25; 21:3;
 33:20; 34:13; 35:8; 57:11,
 11; 79:6, 9; 100:24;
 102:24, 25; 107:19;
 123:15; 124:1; 128:3;
 197:22; 199:23
 decisions-was 18:17
 declaration 72:22
 declare 256:11
 Declaring 256:9
 deeper 37:11
 Defense 89:18
 define 30:14; 31:1; 61:11,
 15; 62:2; 95:16, 18;
 110:20; 117:21; 197:21;
 254:11
 defined 40:2; 132:8, 11;
 167:19; 204:18; 215:10,
 17; 216:12; 239:21
 defining 19:23; 37:3;
 52:6; 87:10; 104:22; 199:8
 definitely 63:14; 77:6;
 175:11; 227:9; 251:25
 definition 28:11; 79:20;
 199:12, 13, 14; 252:11
 definitive 51:25; 56:8
 degree 16:14; 55:3;
 103:24
 degrees 175:24
 delegates 232:2
 delineate 234:19
 delivery 41:12
 demands 100:23
 demonstrate 29:4; 50:2;
 54:24; 141:9; 155:3;
 192:3; 218:10
 demonstrated 34:9;
 150:18; 151:23; 152:17;
 153:17; 155:14; 209:12
 demonstrates 150:11
 denial 76:11; 77:3; 78:25
 Dennis 8:19
 denominator 168:7
 densities 188:2
 departing 91:6
 department 81:5, 7, 9;
 89:18; 96:23; 200:18
 depend 119:16; 188:3;
 205:25; 212:8; 214:16
 dependencies 55:10, 10
 dependent 80:2, 10, 18;
 142:4; 152:13, 15; 189:18;

214:14
 depends 18:1; 185:23;
 187:23; 190:3
 depth 49:13
 depths 189:10
 derailed 157:11
 derived 18:20; 21:14
 describe 12:9; 161:13,
 21
 described 145:2; 172:14;
 226:9
 describes 19:25
 describing 14:18
 description 145:9; 155:3
 design 12:1; 16:22, 23;
 18:8, 18; 19:10; 20:1, 12,
 37:18; 59:25; 82:24;
 83:18, 25; 85:5, 7, 12, 15,
 16; 86:8; 88:7, 8; 132:1, 7,
 10, 18; 189:12; 254:9
 designed 60:22; 82:25;
 83:4; 103:21; 151:25;
 210:13
 designing 53:1; 147:8;
 209:22
 desirable 251:22
 desire 104:16
 desired 185:7; 210:19
 detail 69:25; 104:14;
 119:12
 details 24:5; 38:24;
 93:13; 183:13
 detect 226:23, 24; 227:1,
 2, 4; 228:6, 8
 detection 20:12; 217:6;
 226:19
 determinant 214:5
 determination 48:13;
 56:4; 115:18; 184:2, 14, 15
 determinations 58:9;
 226:11
 determine 48:7; 105:13;
 191:3; 192:16; 201:24
 determined 127:13;
 210:3
 determining 48:11;
 151:19
 deterrent 97:11, 12
 develop 21:11; 28:24;
 46:2; 82:25; 121:20;
 123:11; 131:2; 143:10;
 177:24; 179:25; 203:4;
 229:1, 18, 24; 232:1;
 234:14; 249:17; 254:9
 developed 7:23; 21:23;
 32:24; 39:16; 42:24; 83:5;
 118:15; 120:10; 151:24;
 158:17; 173:16; 198:21;
 217:17
 developing 94:20; 120:6;
 121:7, 10, 18; 122:11;
 161:22; 163:10, 21, 24;
 167:10; 174:25; 222:25;
 239:3
 development 8:7, 24;
 9:8; 13:9, 10, 24; 16:20;

17:18; 18:12; 20:15, 20;
28:9; 32:25; 33:12;
100:23; 101:15; 102:1;
117:3, 5; 121:14, 21;
122:3, 23; 123:2, 9;
124:21; 125:6; 127:1;
141:8, 11, 12; 142:2, 16,
24; 150:13; 160:18; 162:6;
163:6; 164:16; 165:22;
167:2, 5; 170:22, 23;
171:3, 3, 6, 10; 173:11;
175:7, 13; 181:18; 192:6;
194:16; 198:22; 214:1, 4;
241:10; 253:13
development—however
175:4
developmental 123:18
develops 24:19
deviation 159:23
deviations 37:6; 210:18;
253:4
device 62:20; 84:11;
85:17, 19; 86:7, 10, 13, 21;
87:7, 9, 16; 88:7; 89:15;
91:3; 92:12, 13; 121:15;
122:15, 20; 131:2; 156:10
Devices 21:24; 75:16, 18;
80:4; 85:8, 9, 10, 13;
86:15, 17; 156:11
DFSS 132:10
diagnosis 121:23
dialogue 41:13; 257:18
diameter 94:7
diameters 190:14
dictate 195:14
differ 184:13
difference 57:2, 3; 64:8;
92:10; 134:5; 176:9;
187:14
differences 199:14
different 18:15; 20:8;
27:18; 32:2; 37:14; 38:23;
44:20; 49:19; 51:9, 10;
62:13, 21; 63:4; 64:12;
65:14, 17; 67:3, 9, 11;
68:14; 78:7; 80:16; 81:9,
21, 24, 25; 83:3, 6, 17;
86:22; 92:11, 17; 94:17,
22; 101:24; 102:2; 104:7;
108:15; 111:11; 114:2;
115:16; 124:6; 133:7;
141:16; 142:13, 14;
145:22; 147:21; 149:8, 23,
23; 150:15, 21; 158:6;
169:1, 2; 173:3; 177:22;
183:14, 22; 189:8, 10;
191:1, 14; 194:5, 13;
197:7; 202:6; 212:6;
216:8, 8, 14, 17; 217:5;
218:21; 223:15; 224:8;
230:24; 233:14, 17;
244:16; 251:20
differently 117:25;
233:15
difficult 18:10, 21; 40:23;
41:19; 45:1; 46:13, 16;
65:23; 66:25; 67:24;
68:19; 69:2, 3; 93:10;

119:4; 133:24; 155:7;
160:25; 251:9; 254:13
difficulties 182:24
difficulty 46:25; 63:9;
67:18; 72:7; 74:9; 124:1
diffraction 218:23, 24;
219:5
dig 83:9
digital 86:22
dilemma 240:5
dimension 53:23;
125:22; 145:16, 20
dimensions 81:16; 146:2
direct 16:15; 30:18; 109:4
directed 46:22, 23; 185:2
direction 119:24; 205:7;
206:4; 207:20; 236:10;
252:20
directive 109:5
directly 22:3; 121:18;
122:20; 131:1; 246:7
director 62:9; 75:17;
140:14, 24; 151:12;
155:19
disagree 57:1
disappears 99:2
discard 57:13, 18;
107:15
discarding 110:5
discern 227:8
disciplines 180:9, 16
disconcerting 235:2
discontinuing 14:4
discovered 89:20;
167:12
discuss 73:1
discussed 4:11; 10:8;
14:16; 24:3; 27:25; 31:23;
120:2; 126:24; 162:17;
194:24; 227:20
discussion 16:13; 21:17;
22:16, 22, 24; 23:4, 12, 17,
20; 24:8, 10, 12, 24; 25:23;
72:7; 73:14; 96:20; 97:1, 3,
8; 133:17; 135:9; 138:20;
152:17; 172:1, 7; 194:8;
197:18; 199:6; 223:21;
227:3; 231:3; 255:7
discussion—at 114:20
discussions 4:21; 5:7, 9;
7:8; 15:7; 25:18; 84:20;
135:20
dispenser 35:9, 10
dispersion 144:13
disservice 203:5
dissolution 12:20;
117:24; 136:11, 16;
137:14; 144:5; 208:3, 5
distance 169:21
distill 124:12; 202:25
distinct 68:1, 12; 92:9;
217:8
distinction 108:9
distinguish 108:9

distinguishing 251:9
distribution 35:25; 38:2;
115:24; 141:22; 143:20;
144:10, 12; 147:2; 148:10,
13; 149:17; 152:8; 153:18,
24; 155:2; 159:22; 184:18;
189:19; 190:22; 191:4, 23;
209:5, 9; 210:6; 241:20
distributions 36:19, 20;
37:2, 5, 24; 115:20
District 8:18
districts 7:16; 9:14
diverse 28:1; 29:1
Division 99:22; 229:6;
232:2; 235:19
divisions 9:17
DMAIC 132:8
doable 202:2, 2
docket 219:23
document 29:10, 11, 18;
31:4; 61:11; 79:3; 90:7, 12,
20; 131:19; 159:15, 17;
163:6, 16; 166:6; 194:3;
231:2; 234:18; 235:1, 13,
25
documentation 29:14;
61:23; 65:22; 76:17, 25;
88:18; 90:21; 110:8;
112:8; 120:19; 125:4, 9;
164:14; 167:14; 168:9
documentation-based
170:2; 171:16
documented 173:19
documenting 136:17;
137:2
documents 21:21; 22:1;
29:5; 79:5, 18; 89:3, 24;
90:10; 92:19; 230:24
DOD 90:11
dollars 163:2
done 14:3; 26:4; 28:17;
33:6; 37:18; 38:7, 15; 39:2;
59:18; 60:1; 64:13; 93:12;
103:15; 116:13; 117:16;
122:15; 130:19; 133:10;
138:8; 163:4; 164:9;
165:3; 170:22; 174:6;
183:5; 187:11; 192:2;
196:17, 19; 197:10; 198:1,
7; 200:13; 212:14; 219:17;
230:3; 237:21, 23; 244:19;
253:10; 255:15; 257:23
door 17:4; 26:8; 107:14,
17; 109:23; 175:25
dosage 27:22; 152:6;
153:25
dosing 82:20
dots 20:14
doubt 186:5
Doug 8:17; 126:17;
249:2; 250:6
down 27:3; 31:14; 37:11;
48:8; 49:6; 61:7; 65:6;
93:14; 95:17; 96:11;
101:6; 112:3; 115:11;
117:2; 118:8, 14; 125:18;
145:15; 149:7; 157:2;

161:5; 175:24; 176:15;
180:3; 194:23; 222:3;
227:1; 239:8
downstream 147:10;
150:19; 153:5, 23; 154:1
Dr 4:19; 5:25; 6:7, 9, 10,
13; 25:9, 20, 25; 26:4, 21,
24; 27:1, 3, 4, 6; 38:17;
47:16, 18, 20, 24; 48:14,
16, 18, 21; 49:3, 6; 50:4,
18, 21, 22; 51:7, 8, 16, 24;
52:11, 20; 53:2, 14, 17;
54:1; 55:18, 21; 56:13, 16,
18; 57:1, 21; 58:2, 6; 59:5,
6, 8; 60:8; 61:9, 10, 16, 18,
19, 21, 25; 62:2, 4; 69:5,
22; 72:2; 73:4; 74:4, 12,
18, 23; 75:11, 13; 81:15;
93:17, 19; 94:19; 96:13,
19, 22, 25; 97:6; 98:13, 15;
99:24; 100:7, 7, 9, 14, 15;
101:12; 102:10, 22; 103:8;
104:12; 106:12; 107:3;
108:11, 25; 109:1, 4, 17,
25; 110:4, 11, 20; 112:5,
20; 113:6, 19; 115:11, 14;
116:23; 119:5, 9, 10;
120:1; 121:12; 122:24;
123:20; 124:3, 19, 25;
125:18, 19; 126:17, 18, 22,
23; 127:7, 8; 128:22, 24;
129:20; 130:6, 8, 12;
135:16, 17; 136:2, 2, 5;
137:17, 19, 20; 138:2, 12,
23; 140:5, 8, 23; 151:11;
158:9; 160:6, 8, 10, 15, 16;
171:18; 172:2, 8, 25;
173:5, 6, 15; 174:13, 22;
175:15; 176:1, 21; 177:6,
16, 19; 178:4, 5; 179:2, 15,
17; 181:16, 17, 21; 182:7,
10, 12, 13, 18; 183:1, 2, 7,
11, 14, 21; 184:4, 13, 15,
19, 21, 22, 24, 25; 185:1,
22; 186:17; 187:18; 189:3;
190:7, 18, 19, 24; 191:2, 6,
15, 18, 22, 24; 192:2, 4, 9;
195:10, 11, 17, 18, 23, 24;
196:15; 198:4, 19; 200:25;
202:8; 203:3, 20, 21;
204:8; 205:4; 206:9, 10;
207:9; 208:15; 209:12;
210:10, 23, 24; 212:13, 25;
216:5, 22; 217:23, 24;
218:19; 219:10, 20, 22, 25;
220:5, 17; 221:1, 22;
222:16, 18; 224:15, 19, 22,
23; 225:1; 230:23; 233:1,
2, 10, 11, 22, 25; 234:7,
13; 236:4, 19; 237:18, 20;
243:5, 6, 24, 25; 246:17,
20, 22; 247:4, 8, 24; 248:3,
24; 249:1, 4, 25; 253:23;
257:13
draft 10:13; 45:25;
104:13, 21; 159:16;
230:25; 231:3, 17; 233:11,
19
drafted 220:6
dragging 165:21

drastically 171:6
draw 108:22; 242:3
drawn 56:14
dress 247:22
dried 145:3
driver 66:5
drivers 67:7, 19
drives 43:13
driving 25:13; 46:20
drop 175:23
drug 9:16, 16; 12:5;
62:16, 18; 80:3; 131:5;
138:24; 141:6, 8, 12;
142:3, 10, 12, 17, 22;
143:5, 12, 19; 144:3, 11,
14, 18; 151:6; 181:23;
183:7; 195:16; 216:11;
251:14
Drugs 7:17; 65:19; 82:20;
216:13; 252:2
dryer 147:15; 148:15, 16,
23; 149:1
dryers 147:12, 21, 22, 22,
23; 150:21
drying 112:23; 141:24;
145:7; 149:5; 150:20;
153:4
drying—as 147:11
due 49:14; 67:2; 82:19;
142:22; 189:2; 250:19
dump 201:16
duplicate 63:16; 64:3
uplicated 153:3
during 5:22; 25:17;
71:24; 78:4; 102:1;
105:16; 106:24; 126:23;
127:4; 137:21; 141:7, 10,
22, 25; 142:7, 23; 144:14;
153:4; 160:12; 163:5;
170:23; 171:3; 172:14;
181:11; 187:11; 192:6;
205:8; 209:1, 18; 212:16;
213:25; 214:3; 222:20;
243:2, 3, 8; 245:2, 22
dusting 142:1

E

E 138:2, 2, 2
e-mail 219:20, 23;
246:14, 18
e-mails 166:19; 237:1
earlier 39:17; 40:25;
110:13, 13; 116:5; 158:5;
172:23, 24; 239:9; 240:9
earlier—establish
194:21
early 101:15; 103:9;
131:5; 137:23
easier 46:2; 74:2; 100:17;
101:10; 151:17; 157:17
easily 72:12; 121:9;
168:1
easy 67:12; 68:17; 73:1;
99:20; 137:3; 151:18;

162:14; 177:14; 186:7;
253:9, 9
echo 24:18
echoic 140:6
economic 251:11
edge 145:16, 16
education 42:20
effect 26:15; 29:25;
42:12; 102:23; 142:11;
143:14; 145:7; 147:17;
148:3, 5, 12, 24; 160:18;
210:13; 243:19; 251:11
effective 49:1; 86:15, 18,
20, 21, 23; 87:11, 16; 88:9,
10; 133:10; 157:25; 181:4;
254:5
effectively 28:24; 29:24;
31:10; 32:8; 33:14; 45:3;
56:1; 222:2
effectiveness 81:18;
87:5
effects 165:4
efficacy 20:20; 21:5
efficiencies 131:8, 16
efficiency 12:12; 17:6;
72:19; 251:6
efficient 69:6; 181:4;
250:25
effort 42:14; 76:9; 92:20;
121:1; 160:18; 178:19;
255:4; 257:16
efforts 164:12; 245:15;
256:18
eight-fold 225:21
Either 18:8; 23:11; 26:19;
41:17; 57:7; 160:24;
163:19; 224:6; 244:15;
245:21
elaboration 233:23
electrical 88:4
electromagnetic 87:6
electronic 22:21; 23:9;
25:14, 15, 16; 31:16;
52:15; 63:4, 14, 14; 64:3,
13, 24, 25; 65:2, 4, 13;
66:13, 14, 17, 19; 67:5, 23;
69:9, 9, 18; 70:4, 5, 9, 11,
17, 19, 20; 71:1, 19; 74:13;
79:1, 6, 10, 12; 98:17, 18,
23; 99:9, 13, 21, 25; 105:5,
6, 21; 111:3, 6, 7; 112:8,
16; 114:9; 123:16; 158:19;
199:12
electronically 71:8, 18;
112:11, 15
electronics 98:16;
133:19, 20
electroshock 85:21
element 23:8; 89:23;
126:21
elements 23:7, 14; 61:22;
208:17; 236:1
eliminate 117:12
eliminating 133:16
Ellsworth 8:17; 249:4
else 55:5; 99:4; 129:4;

137:20; 153:20; 219:3
emanates 229:17
embellish 116:24
embellished 130:4
embrace 240:25
embraces 132:4
emerge 20:14; 41:20
emerged 54:20
emerging 14:14
emphasis 53:11; 124:25
emphasize 24:1; 160:19;
245:20; 250:3, 22
empirical 18:23, 25;
19:1; 103:18; 253:13, 18
empiricism 253:20
employ 180:23
employee 4:20; 72:11
employees 4:3, 14
enables 157:10
enabling 159:5
encapsulate 219:18
enclosure 170:10
encourage 5:23; 24:7;
105:1; 128:14; 244:10
encourages 196:2
encouraging 229:4;
235:23
end 15:9; 26:14; 60:10;
80:14, 14; 105:12; 107:12;
108:25; 113:25; 115:11;
116:2; 124:22; 125:18;
127:24; 142:9; 160:14, 20;
173:22; 178:8; 187:14;
189:20, 20; 191:19;
205:10, 14, 21; 206:4, 6, 7;
207:5; 208:23; 211:11;
212:20; 215:19; 218:11,
16; 231:9; 234:16; 250:10,
17
end-process 225:25
end-product 12:19;
16:18; 28:9; 94:21;
117:12, 19; 118:4, 16
end-stage 244:25
endeavors 180:9
endorse 125:19
endpoint 16:4, 5; 60:3, 3;
110:15, 22; 112:23; 114:5;
115:18; 123:25; 136:11,
13; 137:8, 15; 184:1, 14,
15; 185:6; 191:9, 21;
192:16; 205:19; 206:1;
214:4, 9, 25; 215:10
endpoints 16:6; 244:18
ends 151:7; 176:19
energy 101:17
enforcement 73:9; 161:8
enforcing 249:11
engage 198:6
engineer 9:2, 4; 37:20;
141:2; 202:16
engineering 81:4, 6, 14;
83:24; 84:6; 87:20; 88:17;
89:13, 13, 14; 90:3; 96:24;
104:19; 151:16; 186:21;

202:11; 253:22
engineers 81:10, 19;
88:3, 4, 22, 22; 141:1;
143:9; 151:9; 245:17
enlarge 118:18
enough 15:16; 24:6;
34:13; 56:24; 58:3, 4;
124:10; 128:17; 138:7;
176:12; 201:15; 206:13;
217:21; 218:16; 231:14,
15; 232:6; 238:7; 239:7;
242:15; 245:18, 20; 255:5,
14, 19; 256:24
ensure 56:1; 65:2;
131:25
enter 81:20
entered 78:22
entering 224:8
entire 114:1; 178:22;
185:20; 191:23; 192:1;
218:7
entirely 57:7; 126:13
entirety 113:10
entity 72:15; 90:1; 154:8
enumerate 159:18
enumeration 226:14
environment 45:2; 47:4;
53:9; 55:9, 13; 81:21; 90:9;
156:16; 196:11
EP 230:19
equal 72:23; 230:16;
231:20
equating 99:15
equilibrium 191:16
equipment 74:6; 112:17;
142:5, 13; 174:14, 16;
227:15; 231:5
equipment-
dependency 143:5
equivalence 136:22;
137:9
equivalency 155:4
equivalent 66:21; 98:19,
25; 99:13; 231:18
equivalents 45:7
error 69:6
errors 68:21; 69:19;
71:11; 204:1
especially 23:14; 104:16,
18; 142:5; 185:16; 189:7;
233:16; 249:21; 257:11
essence 196:18; 247:18
essential 205:23
essentially 8:22; 9:7, 18;
11:25; 13:25; 14:7, 11;
15:2; 94:21; 103:1; 130:1;
160:6, 21; 168:18; 172:16;
193:3, 8; 197:20; 204:22;
248:17; 252:12, 15, 18
establish 10:5; 19:6;
110:15; 214:1, 3; 216:18
established 15:23;
129:3; 197:23; 207:14;
248:18
established--assay

117:23
establishing 7:25;
255:13
etc 31:12, 12; 32:6; 33:4,
4; 36:1, 8; 37:25; 73:17;
99:5; 100:25; 117:24, 24;
123:12; 125:2
ethernet 28:20; 30:1, 10,
20
Europe 117:18; 163:14,
16
Eva 96:20, 21, 22; 119:7;
195:10; 202:16; 203:20;
243:7
Eva's 120:5
evaluate 244:18
evaluates 38:3
evaluation 37:17; 53:4;
128:1; 201:23
even 4:7; 42:21; 43:2;
49:19; 50:10, 13; 63:15;
65:22; 68:15; 77:8; 99:8;
100:20; 102:2; 103:24;
104:2; 105:22; 106:25;
110:2, 16; 112:2, 21;
122:16, 17; 143:3; 156:25;
160:25; 163:9, 25; 165:12;
173:10, 10; 175:1; 177:4;
182:22; 220:23; 234:24;
235:18
event 5:8; 55:23; 68:4,
10; 82:17; 209:16; 211:15
events 90:23; 256:7, 8
Eventually 19:14; 34:22;
82:2; 87:2; 108:24;
110:17; 135:13
ever-increasing 84:9
everybody 75:15; 80:15;
88:11; 90:13; 112:22;
127:18; 243:18; 250:9, 14;
255:22
everyone 57:22; 65:8;
92:25; 157:7
everywhere 80:6
evidence 41:24; 54:25;
55:3; 78:11; 149:3
evolution 44:24; 45:24;
73:13
evolutionary 17:1, 4
evolve 43:2; 59:22
evolved 199:7
evolvment 179:14
evolving 43:9; 59:17
exact 50:3; 88:25; 201:25
exactly 34:23; 43:10;
52:1, 4; 54:23; 94:19;
129:3; 164:3; 247:13
examination 182:2;
188:13
examine 196:20
example 15:1; 17:16;
21:21; 23:4, 5, 23; 32:22;
35:8; 52:23; 55:23; 62:16;
64:23; 66:16; 79:10; 83:9;
95:7, 20; 113:7, 19; 129:5;
136:10; 143:13, 21;

154:13; 159:10, 21;
169:15; 170:2; 178:18;
184:6; 186:23; 187:4;
192:7; 207:18; 210:25;
211:13, 19, 21; 216:9;
223:7; 226:5; 234:2;
241:17
examples 11:7; 23:18;
64:20; 68:16; 82:1, 8;
100:4; 172:12
Excel 95:7
excellence 27:13;
134:14
excellent 21:20; 23:20;
67:12, 15; 127:9; 181:18
except 49:5; 66:4; 75:5;
77:15
exception 60:18
exceptions 163:11;
253:4
excipient 144:10
excipients 144:13
excised 65:3
excited 157:7
exciting 157:5, 22
exclusion 5:12
Excuse 203:24
executed 64:25
executes 103:19
executing 103:12
execution 28:3, 7; 29:3;
32:17; 35:3; 36:6; 37:24;
103:10
executive 228:19
exemption 14:18; 178:9;
197:9; 203:18; 238:21, 22;
240:23; 242:6
exercise 117:15
exercises 9:19, 22
exercising 80:20
exist 77:22; 194:18
existed 90:11
existence 194:2
existing 40:25; 89:17;
104:17; 124:21, 23;
125:24; 127:13, 17, 22;
128:4, 17; 153:10; 154:16;
167:8; 173:11; 197:13;
207:16; 234:3; 242:3;
248:20
exists 131:10; 204:11;
221:4; 238:16
expand 33:13; 209:2
expanded 33:7
expanding 14:7
expansion 99:5
expect 6:21; 15:7; 49:21;
52:5; 60:23; 126:13;
166:9; 194:10
expectation 49:8;
159:12; 193:11; 215:3, 22
expectations 49:25;
156:2; 157:24; 159:19
expecting 125:7; 126:7
expedite 232:21

expend 208:1
expense 105:9
expenses 232:23
experience 9:4; 27:21; 137:13; 183:10; 192:6; 253:14
experience—for 186:23
experiences 24:24; 26:13; 38:19; 39:1; 98:3, 9
experiment 100:25
experimental 19:10
experiments 16:22, 23; 18:20; 132:18
expert 187:7; 232:11; 254:10
expertise 13:22
experts 65:7; 77:17
explain 63:19; 69:7, 25; 76:6; 88:15, 15; 141:15
explains 149:25; 150:4
explanation 149:21; 208:11
explored 37:8
express 140:12; 187:21
expressed 123:19; 236:14
expressing 178:15; 250:14
expression 147:20
extend 181:19
extended 11:19
extensive 18:12; 61:2; 220:10
extensively 24:3
extent 97:20
external 180:5; 181:1; 245:24
extra 44:1, 2; 120:15; 125:22
extract 44:16; 78:24
extracted 89:19
extraordinary 257:16
extreme 49:10
extremely 104:19; 173:18
eyeball 101:21
eyeball-metric 217:9
eyesight 27:10

F

F 138:2
face 116:1; 159:24; 173:13; 218:20; 253:17
faced 104:1; 111:19; 216:6, 9
faces 149:18; 150:2
facilely 176:18; 177:13
facilitate 7:11; 23:25; 63:21; 181:13; 239:10
facilitator 196:4, 8, 14
facilities 33:6; 67:9; 70:25; 80:4; 99:12; 171:7

facility 5:20; 27:23; 28:17, 18; 33:14; 51:13; 68:15; 72:14, 14, 15; 129:2; 164:18, 18; 167:3; 175:17; 178:1
facing 54:4; 104:13
fact 13:15; 14:5; 26:6; 63:22; 84:12; 85:3; 99:8; 102:11; 123:5; 168:17; 169:10; 180:14; 198:21; 199:14; 219:2; 231:16; 240:23; 250:17
fact-finding 14:2
factor 255:25; 256:2
factors 152:11; 195:2
fail 255:13
failed 68:8; 96:8
failing 224:7
fails 82:15
failure 29:24; 82:17, 19; 211:16, 19; 251:4
failures 207:4; 208:5, 12
fair 172:11; 243:4
fairly 32:22; 167:25; 170:15
fairness 5:15
faith 243:19
faithfully 238:17
fall 106:13, 16; 110:15
falls 80:19; 128:2; 241:14; 242:23
falsification 66:13
falsify 65:4; 99:4
familiar 8:16; 66:7
FAMULARE 6:3, 3; 8:21; 22:13; 24:17; 51:12, 19; 52:9, 17, 23; 53:8, 16, 24; 71:14; 72:5, 22; 73:6; 74:4; 99:6; 100:2; 111:12; 112:10; 113:4; 114:16; 123:1; 124:17, 20; 173:9; 193:15; 201:18; 207:11; 216:2; 220:24; 237:3
fantastic 257:23
far 7:8; 17:12; 70:6, 24; 77:5; 105:4; 124:5; 125:5; 192:22, 24; 193:1; 201:10; 222:23; 226:16; 247:18
fashion 44:15; 168:18
fault 98:7; 120:21, 22
favor 174:1
favorable 154:7
fax 65:21
faxing 66:9
FBRM 141:16; 146:14; 149:5; 150:11; 152:20; 153:16; 162:25; 183:16; 185:22; 186:3, 6, 18; 189:17, 25
FBRM—the 147:18
FCC 87:5
FDA 4:18; 5:4, 10; 6:25; 7:2; 13:8, 20; 15:1; 18:14, 14; 25:5; 34:3; 39:25; 41:14; 45:24; 47:3; 48:15;

49:20; 54:21; 79:2, 3, 8; 84:15, 16; 99:12; 100:10; 120:20, 24; 121:17; 122:10; 127:23; 128:12; 131:6; 137:13; 138:3; 154:17; 159:17; 161:8; 192:24; 195:2, 25; 196:2, 5, 17; 201:12; 203:18; 204:6; 207:11; 208:8; 221:10; 225:10, 14; 232:2, 7; 235:19; 237:25; 242:25; 245:5; 246:7, 7; 252:14, 18; 253:6; 255:5, 8, 16; 256:4, 17; 257:18
FDA—well 165:24
FDA-wide 256:14
fear 104:25
feasibility 10:6; 121:24
feasible 115:2
feature 213:19; 217:6
features 213:22; 214:1, 8, 17; 217:8; 218:2, 7; 219:14
federal 4:14
feed 51:1
feedback 181:14; 193:12; 205:6, 18; 209:8; 210:1; 234:12
feel 49:14; 51:19; 69:12; 172:18; 179:23; 225:10; 235:7; 240:1; 245:8
feeling 217:14; 228:22
feels 219:16
fell 177:4
felt 64:22; 65:11; 68:11; 140:7; 232:5; 243:25
FEMAA 47:8
few 15:4; 22:15; 24:16; 138:2; 140:5; 161:13; 165:17; 181:15; 185:18; 19, 20, 25; 242:18; 249:2
fiefdoms 180:13
field 7:16; 25:4; 99:22; 229:14, 18, 22; 236:2; 237:5, 14; 238:18; 245:6, 19; 249:6
fifteen 81:7; 82:23
figure 94:12; 157:12; 159:3
file 68:25
files 198:15
filing 72:8
filing—there 142:25
fill 216:17
filling 67:14
fills 222:19
filter 32:8, 15; 147:22; 148:8, 15; 227:6, 7
filtered 143:22; 145:3
filtering 107:9, 10
filtration 141:23; 143:21; 145:7; 148:2; 150:20; 153:4, 22
final 61:1; 105:23; 147:2; 153:10; 164:20; 205:15;

215:15, 21; 216:15; 223:9; 241:18
finalized 21:9
finally 7:11; 151:3
financial 4:15; 5:11, 16; 162:23
find 6:16; 41:24; 50:12; 55:16; 76:10, 17; 77:1; 79:4; 120:16, 17; 135:19, 20; 142:9; 149:17; 168:12; 169:25; 204:10, 19; 205:1; 206:14; 211:22; 220:23; 223:10, 11; 234:3; 235:3; 256:5
finding 101:6; 133:10; 214:11; 222:22; 223:13
Fine 25:25; 84:2; 169:22; 195:25
fine-tune 23:16
finer 149:24
fingerprint 68:6; 114:11; 214:2; 218:3, 8
fingerprints 244:16
finish 164:20; 177:17; 184:19
finished 118:12; 164:19; 170:22; 184:17
fired 246:11
firm 230:6
firm's 230:12
firms 5:9, 16; 233:7
first 19:15; 20:9; 28:11; 29:7; 33:4; 56:8; 67:22; 81:11; 87:19; 89:4; 90:20; 93:5, 6, 20; 94:25; 112:12; 115:17; 117:1, 3; 126:24; 128:9; 129:16; 130:2; 134:20; 173:22; 183:24; 192:21; 194:24; 195:10; 196:21; 197:18; 206:10; 221:13; 234:15; 240:10; 241:9, 10; 244:2; 254:8
firstly 30:23
fish 236:23
fit 87:1; 104:20; 167:23; 204:18, 23; 234:8
fits 251:8
five 43:1; 50:23; 80:21; 89:10; 102:18; 116:18; 119:20; 133:1; 144:18; 198:12; 209:22; 212:15, 16; 220:11; 228:5
fix 40:21; 46:16; 148:7; 166:5, 13
fixed 45:25; 46:1; 166:2
fixes 166:8
flag 31:9
flavor 129:21; 130:3
flexibility 21:6; 51:23; 151:1
flexible 86:24, 24; 128:17; 171:9; 218:16
floor 157:3
flow 53:19; 187:24; 188:3; 211:3

flows 28:22
fly 210:7; 218:20
focal 197:5
focus 14:21; 16:2; 19:13; 21:17; 22:18, 22, 24; 24:10; 42:8; 81:1; 97:17; 107:6, 25; 108:8; 132:14; 133:8; 158:11; 194:13; 219:3; 249:22; 251:18
focused 14:2; 26:9; 27:11; 145:11, 13; 152:19; 196:24
focuses 12:4
focusing 14:19; 20:17; 26:11; 60:10; 98:10; 107:15
fold 43:25
folds 59:8
folks 63:23; 64:9, 9, 17; 67:20; 69:4; 73:25; 88:16; 176:2; 194:7; 196:25
follow 143:17; 146:2, 5, 21; 175:9; 222:15
follow-up 187:18; 218:19
following 4:4; 21:18; 108:11; 134:19
food 63:15; 131:5
foot 140:7; 203:16
fora 257:5
force 225:3; 232:10; 242:9
forced 44:25
forces 44:19; 183:22
forcing 46:14; 76:21; 164:23
forecast 176:23; 177:10
forever 79:14; 238:22
forget 73:4
forgot 13:24; 255:9
form 62:15; 70:14; 152:6; 153:25; 200:16; 219:3, 7
formal 24:13; 101:18
formally 47:10; 136:5
format 6:23; 7:6; 138:14
formation 184:12
formed 13:6; 91:21
formulate 238:7; 246:15
formulation 141:25; 142:5, 14, 19, 21; 143:7, 8, 10, 15, 25; 144:2; 151:5; 154:1; 179:5; 213:13; 254:9, 11, 22
forth 12:21; 14:24; 15:14; 17:22; 23:9, 15; 24:22; 65:22; 73:12; 80:15; 89:10; 94:21; 111:19; 115:1; 123:17; 190:10, 14; 194:6; 198:1, 23; 251:14; 253:5; 256:9; 257:16
forthcoming 77:25
fortunate 222:13
Fortunately 78:19
forward 7:21; 10:11; 44:10; 46:16; 47:15; 51:12; 63:21; 85:2; 107:8;

108:6; 111:25; 129:23;
140:21; 156:4; 157:10, 14;
158:13; 225:24; 244:12,
23
1 45:14; 78:4; 79:16;
19:19; 130:18; 142:3;
144:3; 213:25
four 88:24; 202:5
four-phase 134:20
fraction 254:19
frame 25:23
framework 7:9; 14:12;
15:5, 11; 133:14; 160:4;
220:8
framing 23:3; 24:12
Frank 8:21
frankly 195:5; 203:6
free 138:24
Freedom 4:23
frequent 28:13
Friday 214:12
friends 138:3
frightens 168:11
front 20:17; 21:19; 98:4;
128:21
frustration 253:2
fry 175:22
FT 169:3, 19
FTIR 184:6, 11, 23
FTRI 141:15
f 19; 43:21; 44:6;
23; 99:13; 125:8, 8;
126:12; 128:7; 163:8, 11,
23; 164:17; 165:12;
246:10
fully 61:14, 14; 82:9
fun 9:20, 21
function 32:8; 96:8
functionalities 29:2;
32:2
functionality 32:16;
254:7, 12
functions 166:12
fundamental 43:22;
48:8; 79:25; 81:3
fundamentals 93:14
further 19:16; 34:15;
108:20, 21; 146:18;
176:14; 182:3, 22; 205:2,
2; 215:1; 239:8; 243:20;
251:6
fusion 134:9, 9; 135:21
future 57:9; 162:1;
171:12; 206:3; 239:22;
255:24
futuristic 228:17

G

3:2
G.K 6:7; 255:6
gain 235:17
gaining 189:11; 204:3

gallon 186:9
game 250:9
GAMP 47:8, 25; 48:15;
89:7; 91:5
GAMP-4 19:24; 21:25;
22:8; 48:23; 248:8
Gary 136:2; 137:17, 19;
221:1
gas 62:12; 63:13; 67:4
gases 62:14, 15; 63:15,
15, 16; 64:12; 65:16; 69:11
gather 91:23; 254:19
gathered 13:2; 170:23
gathering 125:12
gave 39:25; 121:17;
183:3; 239:21
gear 101:9
gee 158:5
general 4:16, 19; 5:1, 6;
13:3; 24:4; 27:22; 30:22;
39:13; 47:21; 50:5; 89:4, 8,
16; 91:5; 95:13; 102:22;
104:13; 120:2, 2; 125:16;
181:24; 182:5; 220:10;
221:3; 238:9, 16; 242:16;
243:17; 256:8
generally 37:8, 9; 82:16;
166:8; 167:18, 24; 171:1;
186:14; 235:21
generate 58:17; 60:10;
61:3; 70:8; 102:16; 105:5;
192:15; 230:15; 240:2
generated 71:17;
100:18; 111:6, 16; 121:21,
25; 192:19; 223:23
generates 70:16
generating 22:21; 60:20;
102:1; 105:20; 121:5;
122:3; 149:23
generation 56:10
generic 9:16; 245:22
genesis 237:24
genetic 101:1
genre 81:20
gentleman 228:10
German 28:17
gets 18:14; 51:11; 83:3;
94:22; 101:6; 105:7;
118:14; 125:11; 174:10
given 100:4; 137:11;
152:12; 187:6; 212:8;
213:12; 240:23
gives 29:11; 90:17;
142:13; 150:16; 152:5;
189:13; 208:20; 252:21
giving 31:21; 129:12;
138:23; 206:12; 231:20;
235:23
Glaxo 39:10; 48:22; 74:4;
228:10
GlaxoSmithKline 48:22
Glenn 140:12; 155:19;
192:22
global 151:12
Gloria 181:16; 183:1

GMP 13:9, 11; 35:13;
73:16; 76:9; 112:2;
124:12; 129:22, 25; 130:2,
3; 131:2; 134:23, 23;
158:10; 163:8, 10; 164:14;
165:9; 167:3; 171:7;
177:1, 4; 194:11, 19;
195:9; 196:11; 201:18, 22;
251:2, 2
GMPs 17:21; 47:3, 4;
80:20; 114:24; 158:16, 22;
195:4; 257:24
goal 13:7; 60:10; 93:15;
119:11; 203:1; 207:1, 5, 8;
219:4; 221:24, 25
goals 23:3; 73:15
goes 16:17; 20:5; 62:17,
19; 77:16, 21; 83:1; 94:8;
98:2; 109:20; 115:10;
145:1; 174:5; 190:1;
194:4; 202:17; 203:18;
212:17; 213:5, 8; 215:20;
221:13; 224:3
gold 126:14; 190:16;
210:9
Good 6:13; 24:24; 27:10;
37:18; 45:18; 48:24;
49:24; 50:24; 60:16;
61:17, 17; 71:9; 73:3;
75:11, 15; 82:13, 13;
84:22, 24; 88:20; 90:3;
91:8; 95:12; 96:1; 98:1;
103:19; 107:4, 18, 18;
108:7; 119:20; 130:12;
137:16; 151:11, 23;
155:18; 165:6, 8; 169:20;
170:2; 174:20; 179:23;
186:2, 25; 188:8; 190:9;
207:19; 209:10; 215:18;
228:21, 22; 231:13; 232:4,
8; 243:19; 247:14, 17, 20,
25; 248:2, 23; 250:13;
251:8, 10
government 4:2, 13, 20
gracious 65:21
grade 63:14, 16; 64:14,
14
graded 128:19
gradually 35:21
grams 185:18
grand-fathering 46:7, 24
granulate 16:6
granulation 142:1;
143:14; 144:14; 213:7;
214:13; 215:6, 7
granulator 142:5; 150:3
granule 16:7; 215:14, 17,
24
granules 144:7, 8
graphs 84:8; 192:15, 19
grappled 25:1
gravimetric 114:3;
244:20
great 63:9, 22; 68:7;
73:20, 25; 89:6; 161:10;
203:7, 22; 255:14
greater 122:17, 20; 151:1

greater-well 122:17
greatest 225:3
green 144:11; 148:9
ground 83:9; 92:7;
161:14; 253:23
group 24:8; 25:3; 65:7;
73:15; 91:10, 11, 21;
117:16; 126:1, 7; 136:4;
151:14, 16; 161:18;
172:16; 174:16; 178:22;
180:15, 18, 21; 190:19;
194:1; 195:8; 198:6, 22;
199:19; 224:24; 228:14;
229:18; 235:5; 246:23
groups 14:2, 2; 89:9, 12;
90:22; 95:5; 120:23;
121:3; 124:11; 128:6;
130:1; 149:17; 166:1, 8,
16; 177:20; 180:4; 196:1;
232:11; 239:13; 242:7
grow 146:1
growth 210:15
grunt 42:13
GSK 38:20; 125:21;
213:3; 244:3
guaranty 45:1, 15; 215:9
guarantying 214:24;
215:11
guess 27:8; 41:16; 47:1,
25; 49:3; 51:24; 52:21;
55:21; 69:20; 80:25;
90:20; 96:25; 100:15;
119:13; 122:2; 123:20;
124:1; 130:23; 158:4;
160:10; 164:22; 165:16;
170:25; 183:24; 193:18;
241:13; 249:4, 5
guest 5:4
guests 4:3, 14; 25:24;
26:3, 22
guidance 10:13; 12:8;
13:3; 21:21; 22:3, 6, 6, 10;
24:4, 23; 25:8; 45:25;
54:21; 73:8; 79:18; 88:14,
14; 89:3, 24; 90:5; 104:14,
21; 107:13; 108:1; 114:17;
119:11, 13, 23; 121:8;
124:18; 125:14; 128:14;
129:22; 130:5; 138:5;
159:15, 16; 172:17, 21;
173:1, 7; 175:12; 178:6,
11; 197:8; 203:17; 219:15;
220:2, 10, 11, 14, 25;
221:3, 11, 15, 20; 229:18;
233:12, 19; 235:18; 236:2;
238:8, 9; 240:18; 243:13,
16, 17; 245:4; 248:16;
249:17; 256:9
guidances 21:23; 87:25;
104:17; 242:3; 245:25;
248:7
guide 77:7; 90:14
guided 253:14
guideline 63:24; 117:18;
136:9; 229:24; 232:14
guidelines 69:8; 129:19;
155:11; 169:8; 245:14;
247:10, 20

guiding 48:9; 255:19
guys 198:7; 255:21

H

H.G 38:10
hacking 84:3
hair 240:21
HALE 6:5, 5, 5
half 131:11
hall 171:21, 24
hamburgers 175:21, 24
hammer 250:12
hammered 138:6
HAMMOND 6:8, 8; 11:6;
102:10; 118:18; 120:1;
124:3, 19; 128:24; 160:10,
16; 176:21; 177:19; 185:3,
22; 255:4
Hammond's 11:14;
23:22
hand 4:16; 94:15; 119:17,
19; 124:13; 134:1; 177:9;
251:7; 258:2, 3
Handbook 253:21, 22
handle 28:5; 98:20;
100:22; 101:10; 140:8, 9,
13; 143:11; 203:19;
206:24; 234:10
handled 20:8; 161:5;
233:15
handout 21:21; 22:7;
26:4
hands 55:17
handwrite 70:13
handwritten 64:25;
65:13; 66:22, 24; 71:7;
72:24; 74:25; 98:19; 99:1,
14; 100:1
happen 13:4; 23:25;
108:23; 135:8; 184:10;
194:16; 199:21; 202:21;
208:7; 253:1; 257:21
happened 133:1; 165:6;
255:8
happening 132:21, 21,
25; 156:25; 223:16
happens 94:9; 187:13;
193:22; 244:6
happy 246:11, 13
harbor 11:18, 21; 14:16;
123:8; 124:9; 128:2;
160:12; 170:24; 171:1;
173:1; 178:9; 197:9;
204:7, 21; 233:16, 23;
237:12
harbor-I 238:21
harbor-is 238:23
hard 64:4; 65:23; 66:10;
68:21; 70:23; 71:2; 88:24;
119:18; 246:12, 14;
252:25; 253:15
hardware 55:9; 82:2;
83:13, 17, 18, 24; 115:9;
128:25; 167:5

have-I 177:8
have--what?--at 243:14
hazard 91:19, 24; 220:20
headed 207:19
headquartered 62:11
Health 21:24; 80:1, 8, 9; 220:20; 251:12, 15, 23, 25
healthcare 238:1
healthy 179:13
hear 25:5, 6; 97:8; 102:11; 109:20; 111:8; 176:9; 231:18
heard 13:15; 24:19; 94:25; 100:7; 101:22; 119:7; 131:24; 138:4; 157:19; 159:8; 161:8; 172:11; 208:3; 228:2; 229:4; 230:23; 239:9; 240:17; 249:7
hearing 5:22; 115:7; 128:23; 130:7, 11; 137:22; 213:4; 229:7
heating 210:1
heavier 190:4
Heisenberg 206:18
held 7:20; 122:13; 174:17
Helen 255:25
helix 95:25
Hello 38:17
help 9:11; 24:10; 111:15; 125:15; 128:12; 196:12, 13; 221:20; 238:1
helped 69:8
helpful 23:13; 52:21; 92:1; 219:17
helping 52:25; 131:2; 238:7; 245:8
helps 22:18; 196:5
hemorrhages 119:25
heresy 213:16
herself 96:21
Hi 6:5; 62:8
hierarchies 30:8; 33:10
high 19:23; 32:11; 54:13, 17; 77:25; 78:13; 90:17; 92:5; 149:4; 169:3, 24; 176:6; 180:1; 251:22
higher 12:12; 31:10, 24; 42:22; 54:12; 235:3, 9, 10; 236:21, 21
highest 85:7; 240:1; 256:15
highlight 11:12; 248:17
highlighted 156:6
highly 80:1
himself 193:18
hinder 123:3
hinders 94:24
hindrance 24:20; 123:11
Hiquan 9:3
historical 35:20; 42:25; 43:11; 45:2; 103:17; 118:21
historically 53:4

history 21:10; 38:19
hit 241:23
Holcomb 8:21
hold 159:13; 220:6
holding 107:23
hole 247:14
home 67:5; 68:15; 236:25
homogeneity 10:3; 12:6
homogeneous--that 16:8
honest 60:8; 116:2
hook 76:19
hope 9:24; 13:1; 24:22, 23; 25:5; 36:19; 87:2; 150:10; 180:7; 216:1; 229:17, 24; 232:1, 23; 257:10
hopeful 198:8
hopefully 8:12; 24:6; 38:14; 53:10; 59:11; 110:16; 160:4; 184:11; 237:21; 243:12
hopes 76:7
hoping 193:12; 234:11
horribly 109:20
horse 161:16; 166:25; 167:1; 171:8
hospital 80:5
hospitals 62:17
hour 131:11
hours 208:1; 212:16
House 257:8, 8, 11
HPLC 11:8; 113:20, 20; 114:3; 177:23; 248:1
huge 46:10; 79:21; 82:9, 12; 94:10; 119:1; 162:22; 167:14
hugely 186:3
hundred 108:17; 113:11; 177:8
hundreds 44:2
hung 116:15; 133:15
hurdle 133:18; 196:23; 222:1
hurdles 133:17, 24; 196:20
Hussain 6:10, 13; 25:20; 26:21; 47:20; 48:14, 18; 93:19; 94:19; 102:22; 104:12; 113:6; 127:8; 138:12; 178:5; 185:1; 187:18; 190:7; 196:15; 198:19; 204:8; 210:24; 217:24; 219:10, 22; 220:5; 221:22; 224:22; 233:11, 25; 236:4; 243:5; 246:22; 248:3; 249:1, 25
hydraulics 85:21
hydrophilic 149:19
hydrophobic 149:25

I

iceberg 52:6

ICH 155:11; 164:1; 177:3; 247:10; 248:1
idea 47:18; 72:22; 88:4; 91:13; 95:18; 137:11; 161:3; 166:2; 186:25; 207:16; 213:9, 10; 217:5, 7; 238:23; 239:6; 240:11; 247:16; 252:10
ideal 226:20
ideas 123:19
identical 213:17
identification 68:2, 3, 13; 97:17; 98:9; 101:20; 226:15, 17
identifications 99:17
identified 59:12; 60:2; 97:16; 101:21; 236:13; 240:4; 241:12, 16, 18
identify 14:14; 53:10; 60:3; 94:5; 97:20; 100:5; 123:24; 137:17; 162:6; 206:1; 208:10; 209:3; 217:8
identifying 16:3; 44:5; 52:21; 54:5; 68:12
IEEE 89:17, 22
IFPAC 257:9, 11
II 85:6, 8
III 85:6, 6, 8
illustration 151:25
image 33:18
imagination 172:19
imagine 40:4; 109:18; 213:22; 215:4; 256:13
imaging 10:3; 11:4
immediate 40:11
immediately 35:13; 79:19; 94:8
impact 5:1; 19:23; 20:4; 94:17; 97:14; 98:10; 121:16; 125:3; 127:17; 128:17; 143:18, 20; 195:15, 21; 197:11, 12, 19, 24; 204:4; 252:24
impacted 154:15
impacting 42:4
impacts 235:11
impede 161:9
impetus 225:10
implanted 86:23
implement 97:18; 114:21; 158:19; 161:4; 209:17; 225:15; 229:1; 233:4
implementation 25:17; 26:10; 125:17; 126:4, 15; 162:5; 187:12; 189:8; 202:6; 225:3; 243:3, 21
implemented 229:11
implementing 106:9; 126:25; 154:20; 160:23; 230:4; 244:5
implication 113:3
implications 247:9
implicit 101:20

imply 112:5
importance 61:24
important 17:6; 24:2; 35:22; 38:12; 58:7; 61:13; 73:10; 84:25; 85:2; 93:3; 96:11; 97:10, 19, 24; 98:12; 132:1; 145:25; 156:13, 19; 206:6; 218:5; 223:6; 229:17; 232:21; 235:25; 237:5; 239:2; 245:23
imported 33:2
impossible 67:1, 24; 69:3; 116:19; 160:25; 162:3; 166:24; 168:14
impressions 62:24
impressive 183:2
improve 10:23; 11:13; 19:4; 20:11; 40:11; 129:12; 131:16; 163:3; 204:20; 205:1, 2; 207:22; 208:24; 238:1; 253:6
improved 17:2, 5; 19:9; 152:7
improvement 15:13; 16:21; 46:22; 57:9, 16; 126:20; 128:14; 131:21; 132:4, 9; 135:9, 10, 14; 228:9
improvements 106:9; 207:7
improving 101:2; 106:8; 131:8; 251:6; 252:7
impurities 154:22
impurity 143:1; 153:21; 154:23
in-depth 49:15
in-line 146:12; 184:10
in-process 23:8; 152:24; 153:1; 181:20; 182:21; 205:5, 24; 218:4; 225:17, 20
inappropriate 82:20
Inc 62:10
incentive 12:11, 11; 221:16; 254:21
incentives 7:10; 12:14; 14:15; 254:25
inch 163:16
inches 163:17
include 11:3; 233:12; 235:4; 242:23; 245:4, 16
included 21:22; 41:6; 119:12; 231:3
includes 7:15; 8:17; 9:12; 15; 48:3; 132:5
including 194:5; 245:15
incoming 15:12, 15, 17, 21; 16:17; 23:5, 6
incomplete 42:2
inconsistencies 92:2
incorporate 13:19
incorporated 47:11; 92:18
incorporates 217:25

increase 43:13; 45:22; 100:19; 183:18; 225:20; 232:22
increased 115:6; 228:25
increasing 20:11; 36:2; 101:11
incremental 104:4, 9
IND 20:19; 174:24; 175:9
indeed 40:6; 48:22; 51:8; 151:23; 231:16
independent 198:16
indicated 41:25; 43:15; 44:8; 48:1; 232:2
indication 184:16; 191:12
indicative 223:9
indicators 218:3
individual 49:8, 20; 75:1, 1; 99:25; 100:5; 107:21; 130:7; 149:14; 171:14, 15
individuals 8:8; 13:16; 69:1; 72:21; 140:7; 179:19; 235:6
induces 209:16
industrial 4:12; 9:2; 63:15; 238:3, 4; 253:24, 25
industries 38:5; 222:23
industry 37:10; 38:7; 47:5; 48:24; 50:20, 22, 25; 55:12; 62:20; 63:6; 64:10, 11; 65:14, 18; 66:6; 67:1, 4; 69:10; 92:3; 134:4, 4; 142:15; 151:13; 217:16; 221:5; 222:8, 13, 22; 225:2; 229:8, 25, 25; 232:19; 238:9; 243:20; 245:3; 253:7; 257:17
industry's 108:6; 133:23
inferential 16:15; 223:4
inferring 191:24
inflection 213:23
influencing 238:3
inform 35:22
Information 4:24; 7:12; 12:18; 13:2; 14:10; 15:17; 16:11; 18:13; 21:18; 24:6; 25:2; 44:18; 45:4; 57:6, 17; 60:11, 13, 16; 61:6; 75:9; 76:8; 80:5, 5; 91:23, 24; 102:25; 103:2, 6; 106:18; 107:6, 10, 15, 25; 108:8, 10; 109:10, 23; 118:22; 121:6, 20, 22; 122:5, 6, 7, 8, 12, 13; 150:7; 156:12; 170:23; 172:5, 6; 199:3; 200:1, 9, 20; 202:22, 23; 204:4; 206:11; 211:9; 230:20; 232:11; 241:1; 248:11; 254:19
informative 91:25
infringes 174:20
ingredient 113:22
inherent 29:16
inhibits 254:13
initial 22:5; 84:22; 144:5; 192:2; 210:15

initially 40:21; 229:1;
231:3; 249:22
initials 98:21
inmate 93:4; 154:6; 211:1
inmate 6:20; 7:4, 18;
13:10, 13; 14:8; 15:1;
17:25; 24:2; 26:16; 195:9;
237:25; 256:14
inject 222:18
innovate 222:10
innovation 161:9; 222:6,
11
innovative 18:21;
175:23; 222:5, 8
input 13:8, 12; 14:11;
70:21; 105:3; 155:16;
214:14; 244:3
inserted 171:13
inspected 39:18; 95:23
inspecting 173:17
inspection 7:1, 14; 8:4,
14; 9:12; 20:16; 39:1, 5,
11, 13, 13; 49:7, 15; 76:23;
78:4, 4; 79:8; 95:23;
106:24; 197:3
inspections 71:24; 119:6
inspector 116:12;
229:14, 23; 245:9
inspectors 49:9, 10, 20,
21, 22; 71:1; 92:2; 109:15;
124:15; 229:19; 236:2;
239:9, 25; 246:1, 2
insulation 82:4, 5; 120:7
installation 129:8, 17
installations 169:11
installed 129:7
installing 121:1; 125:2
instance 36:16; 56:17;
62:1; 85:25; 137:1; 187:19
instances 44:22; 51:21
Instead 16:4; 22:3;
104:21; 113:8, 15; 114:4;
145:6
institutions 4:13; 5:2
instruction 120:24
instrument 70:15; 94:9;
105:10; 114:2; 161:25;
162:7, 8, 10, 19; 163:20;
164:23; 165:7; 167:17, 18,
23; 168:1, 8, 25; 169:3, 17,
20, 24; 170:8, 11, 18;
174:19; 195:20
instruments 72:3;
141:15; 167:21; 168:13,
16; 169:4, 9; 171:13;
184:5; 242:17
intact 153:6
integration 51:9
integrity 42:6, 10; 44:7;
45:21; 47:6, 13; 48:12;
167:16; 153:6
intend 192:22; 246:2
intended 66:20; 95:15,
16, 17, 18; 96:6, 9, 12;
204:18, 23; 207:15; 234:9;

243:16
intends 107:1
intensities 219:6
intensity 219:2
intensive 40:17; 127:1
inter-dependencies
52:7
inter-relationship
130:15
inter-stage 115:17
interchangeably 18:9
interest 4:6, 17; 5:3, 6,
11, 15; 48:17; 63:20;
222:24; 236:14
interested 74:13, 14;
113:21; 116:25; 118:13;
169:21; 196:10; 205:14,
15, 17
interesting 84:12; 91:25;
102:11; 121:17; 156:22;
158:20; 159:2; 170:4
interests 4:15
interface 30:3; 121:19;
170:15; 245:7
interfere 30:3
interference 87:7
interferences 223:14
interim 21:8; 40:9, 19, 20
intermediate 37:3;
43:20; 57:3, 12; 60:14;
205:22; 206:8
intermittent 148:17, 25
internal 106:22; 109:6;
119:24; 120:23; 121:3;
125:15, 25; 126:6; 128:6,
11; 160:22; 165:25;
166:16; 172:15; 176:2;
180:5; 181:1; 196:1, 6, 25;
198:6; 221:15; 239:13;
242:7; 244:9; 245:24;
246:3
internally 101:19;
169:23; 177:13; 178:25;
209:22
international 91:10, 12
interpret 223:20
interpretation 43:8;
45:22, 24; 46:18; 52:5;
64:8; 71:18; 79:13; 80:16;
105:5, 19; 106:21; 111:2,
3, 8, 9, 11; 229:14, 15;
230:18
interpretations 49:19;
65:6; 72:6; 112:3
interpreted 106:24
interpreting 43:10;
64:10; 173:7
intervals 31:11
intervention 108:20;
125:1
into 5:23; 7:18; 11:19;
13:19; 21:4, 12; 24:5;
25:18; 27:24; 29:8; 30:2;
32:9; 33:2; 35:5, 24; 37:11;
40:25; 42:23; 51:13; 53:6;
54:13; 56:14; 57:21; 72:3;

74:21; 75:10; 76:21;
77:11; 78:22; 79:17;
80:19; 83:4; 88:19; 93:13;
94:8; 101:9; 103:1, 16;
105:7; 106:16; 107:2;
110:15; 112:15; 124:12;
125:11; 126:3, 16; 129:1;
132:16; 134:3; 156:19;
159:8; 168:2, 3; 170:8, 16;
171:13; 174:13, 24; 177:1;
186:8, 10, 18; 201:7, 10;
202:25; 209:10; 210:8, 21;
212:3; 217:4; 223:21;
224:8; 227:11; 235:19;
238:8; 246:15
into-and 217:15
introduce 6:2; 8:25; 51:4;
96:20, 21; 154:8, 11;
183:15
introduced 4:3; 8:24;
123:6
introducing 223:12
introduction 6:11, 12;
23:25; 161:9
intuit 176:10
invariably 163:17
invent 87:4
invented 80:13
inventive 173:20
investigate 38:9; 128:9
investigated 127:12;
221:8
investigation 41:21;
56:3; 108:21; 144:1, 6;
150:5
investigations 98:1, 6;
99:23
investigator 73:5
investigators 9:12;
237:8, 13; 238:14; 249:7,
11
investing 46:3
investment 41:13; 46:20;
105:15; 227:15
invitation 38:18
invite 135:25
invited 25:18, 24; 26:3,
22; 38:17
inviting 62:23
involve 4:12; 5:9; 126:25;
163:12; 166:11; 167:24
involved 9:21; 77:13;
80:6; 108:14, 16; 121:13;
130:16, 25; 131:1, 4;
133:3; 136:10; 141:20;
161:22; 167:4; 227:24;
245:21
involvement 5:12, 16;
242:13; 243:1; 257:3
ion 125:13
IQ 242:16
IR 113:24; 114:12
irritating 245:22
ISBE 248:8
isolated 143:19

isolation 179:5; 188:5
issue 4:5; 41:19; 42:17;
43:6; 45:9; 46:7, 24; 54:11;
67:15, 16; 71:24; 78:9;
79:1, 25; 81:11, 12; 83:15;
87:3; 105:4; 106:20;
107:2, 9; 108:12; 111:1;
113:4; 114:16; 120:6;
129:1, 4, 18; 133:22;
165:16, 19, 23; 173:13, 13,
14, 15; 174:21; 175:12;
177:11; 178:2, 7; 179:5, 6;
185:10; 186:11, 14; 204:8;
219:9; 224:12; 227:18, 20;
239:2; 240:8; 242:13, 21;
246:4; 250:16
issued 73:9
issues 4:9, 10, 11; 10:4;
11:12; 22:12, 24; 24:12,
14; 26:2; 33:3; 39:2, 8;
41:16; 54:3; 91:15; 97:2,
10, 15; 104:1, 23; 111:13;
120:3; 127:14; 129:10;
136:15; 140:12, 13, 17;
141:20, 25; 142:1; 143:13,
24, 25; 162:16; 172:10, 22;
210:17; 236:24; 239:19;
242:2; 257:19
issuing 45:25
it-there 56:20
item 38:12
items 130:22
iteration 115:9
iterative 253:13
IVT 214:12

J

jam 93:9
January 89:6
jargon 210:12
Jeanne 230:23
Jersey 8:17; 9:13
job 54:5; 84:22, 22; 126:8;
249:13; 257:23
Joe 6:2, 3; 8:21; 22:13,
16; 24:16; 25:9; 72:2;
75:22, 25; 98:22; 111:8;
122:24; 136:6; 177:18;
199:19; 204:13; 207:9;
208:19; 250:6
Joe's 98:16; 124:7;
126:18; 220:19
John 9:9; 75:14, 16;
93:17, 18, 19; 96:13;
125:20; 140:25; 193:24;
194:1, 24
join 9:6; 257:1
joined 7:18; 9:3, 5
joint 91:11
Jordan 9:11
JP 230:19
Juan 9:13
judge 252:17, 18
judgment 88:17

judgments 126:10
Judy 4:19; 97:3; 101:14
jump 79:17; 223:24
jumping 223:8
junction 114:21; 142:15
justification 107:18;
230:12
justify 108:20
justifying 185:12

K

kappa 58:3; 201:6, 16;
211:14
Karen 9:10
Kathy 9:11
keep 34:18, 25; 36:8;
55:20; 56:20; 57:4, 5, 8,
14, 25; 58:3, 16; 67:2, 19;
68:24; 72:17; 101:2;
102:19; 108:3; 109:7;
110:17; 111:4, 7, 10, 14;
113:23; 114:1; 115:8, 19,
24; 116:7, 11, 16; 117:13;
118:8, 12, 23, 25; 119:5;
123:25; 152:16; 153:8;
155:13; 174:10, 17;
187:20; 190:16; 192:20,
21; 193:2, 2, 6, 10, 16, 19;
194:12; 196:15; 199:2, 5,
10, 22, 23; 201:11, 21;
202:3, 24; 204:16; 205:21,
24; 224:13; 225:16;
228:12; 247:22; 250:15;
252:1; 253:10
keeping 34:20; 56:14, 19;
61:1; 107:12; 119:1, 2;
124:4; 193:5; 199:9
keeps 107:9; 114:7
Ken 207:10; 217:23;
237:1, 18; 254:17
kept 25:12; 115:1;
194:11; 203:4
key 16:1; 18:6; 39:8; 42:5;
52:13; 55:22; 64:21; 67:8;
108:9; 112:7; 132:15;
152:18; 181:8; 197:1;
212:20; 219:14; 230:14
keyboard 30:17
Kiang 140:9, 23, 23;
179:2; 181:21; 182:10, 13;
183:7, 14; 184:4, 15, 21,
24; 186:17; 189:3; 190:24;
191:6, 18, 24; 192:4;
195:17, 23; 202:8; 209:12;
210:10; 212:13
KIBBE 55:18; 56:13, 18;
57:21; 100:7, 9; 109:4;
112:5; 113:19; 173:15;
206:10; 234:7; 243:25
Kibbe@wilkes.edu
246:15
killed 82:21
Kimberly 5:25; 96:14
kind 32:1; 36:19; 55:10;
61:8; 63:7, 19; 67:17;

74:25; 76:5; 79:21; 92:3;
17; 94:16; 95:9; 98:23;
105:24; 110:4; 111:11;
117:5; 131:1; 134:22;
150:16; 152:25; 154:25;
156:23; 157:21; 158:1, 7,
21, 23, 25; 159:2; 180:25;
181:1; 183:9; 189:23;
209:21; 210:2; 213:4, 10,
14; 214:1, 15, 15; 217:13;
221:4; 222:19
kinds 58:12; 102:2;
107:19; 130:18; 133:5, 20,
21; 180:16; 183:23
kinetic 191:7
kinetics 151:22; 184:2;
202:12; 254:18
knew 109:11; 129:12
knowing 187:3
knowledge 18:1, 2; 19:4,
5; 21:11; 38:11; 88:5;
103:18; 238:16; 242:16
known 75:22; 120:10
knows 47:19
KOCH 100:15; 222:18
KORCZYNSKI 225:1;
233:22; 234:13

L

L 145:19; 146:20; 171:4;
186:24; 187:15, 15;
192:14
lab 106:2; 155:10;
163:22; 168:1; 178:2;
203:9; 231:12; 254:15
label 43:3; 206:12;
216:16
laboratory 72:3; 105:24;
145:19; 147:3; 153:12;
157:2; 167:19; 174:14, 16;
191:12
labs 162:12
LACHMAN 61:10, 18, 21;
62:2; 110:4; 126:23;
181:17; 182:7, 12, 18;
190:19; 191:2, 15, 22;
192:2
Lachman's 253:24
lack 42:2
Lacking 255:22
lactose 254:10, 11
LANGE 98:15; 99:24
language 136:8
laptop 46:11
large 29:1; 40:5; 41:10;
46:20; 68:15; 142:8;
143:20; 146:9; 157:6;
159:11; 166:7; 176:13;
185:19; 238:5
largely 49:1
larger 132:24; 173:14;
195:8
Lasentec 145:10
laser 145:12; 227:6

last 12:25; 26:7; 27:7;
38:10; 56:9; 73:22; 77:9;
82:18, 21; 89:10; 90:24;
131:11; 133:1; 166:18;
219:12; 222:16; 236:1;
251:13
Lastly 68:1
late 96:20; 179:3; 236:17;
252:18
later 29:19; 37:7; 84:17;
97:9; 152:16; 164:17;
175:1; 182:23; 220:1
Laughter 48:20; 58:1;
62:6; 75:24; 77:20; 82:6;
89:2; 97:5; 100:11;
138:25; 141:3; 151:10;
161:12; 166:23; 196:7;
199:17; 206:20; 216:4;
220:3; 228:11; 243:10;
246:19; 250:2
launched 40:8
law 77:22; 86:7, 13; 131:5
lawyers 88:21; 89:1;
108:14, 16; 109:6, 21;
114:25; 119:24; 141:1
lay 29:17
laying 15:5
LAYLOFF 5:25; 6:9; 25:9,
25; 27:1, 4; 47:16; 49:3;
51:7; 58:2; 59:6; 61:9;
62:4; 69:5, 22; 72:2; 73:4;
75:13; 93:17; 96:13, 19,
25; 98:13; 100:7, 14;
109:25; 110:20; 115:11;
119:5; 122:24; 125:18;
126:17, 22; 127:7; 128:22;
130:6; 135:16; 136:2;
137:17, 20; 138:2, 23;
160:8, 15; 171:18; 172:2,
25; 173:6; 174:13; 175:15;
177:16; 178:4; 179:15;
181:16; 183:1; 184:25;
190:18; 195:10; 200:25;
203:20; 206:9; 207:9;
210:23; 217:23; 219:20,
25; 220:17; 222:16;
224:15, 19, 23; 233:1, 10;
236:19; 237:18; 243:24;
246:20; 247:4, 24; 248:24;
257:13
lead 9:10; 22:13, 16, 17;
24:11; 25:22; 55:12;
71:11; 103:5; 177:4;
221:23; 251:14
leaders 179:20; 221:5;
222:13, 14
leadership 25:12; 180:22
leading 12:13; 17:5;
36:18
leads 60:4; 109:9;
148:21; 149:1, 12; 151:4
LEAN 134:15
learn 16:23; 17:14, 19;
83:2; 98:2, 8; 122:5;
248:13; 249:19; 254:20
learned 7:7; 11:10;
14:10; 189:11; 253:25;
254:16

learning 238:16; 254:13
least 17:25; 19:11; 25:7;
40:2; 59:13; 68:1; 72:15;
73:1, 11; 80:21; 94:25;
99:1; 104:24; 107:13;
124:15; 125:11; 134:3;
147:7; 162:21; 178:24;
194:19; 197:5; 198:8;
199:7; 208:11; 226:19;
228:1; 230:21; 232:9;
233:12; 234:23; 241:11;
243:14; 256:4
leaves 98:25
led 143:22; 149:21;
211:15
Lee 255:11
left 55:12; 145:1; 147:25;
171:14
legacies 158:7, 8
legacy 39:15, 15; 46:8;
157:20
legally 66:21
legs 124:13
lend 52:25
length 169:16
Leon 61:9; 110:11;
126:22; 181:16; 190:18
less 50:23; 51:5; 56:7;
60:18; 61:14, 24; 68:20;
69:6, 17, 19; 74:13; 92:14;
102:18; 134:2; 182:19;
198:13; 207:4, 4; 228:8;
239:14; 251:3
lessons 11:10; 41:15
lets 29:20
letter 63:7; 69:14; 73:9;
77:16, 18; 240:18
level 18:15; 20:4, 5;
27:20, 24; 28:11, 16, 25;
31:25; 32:11; 35:4, 16;
39:7; 48:6; 54:12, 15, 24;
104:14; 117:7; 119:12;
123:14; 125:4, 8, 8;
128:19, 19; 198:17; 212:4;
227:2; 230:13, 22; 250:20;
251:1, 22; 252:12, 13;
256:15
levels 27:19; 28:10;
30:25; 57:4, 12, 17; 180:3;
230:7; 234:25; 252:12
liabilities 239:16
lies 53:25
life 34:22, 23; 37:21;
62:20; 91:3; 151:17, 18;
165:18; 200:5; 253:6
light 95:3; 207:23;
223:17; 237:11, 22;
238:11
likelihood 20:3
likely 212:23; 225:19;
226:6
limit 11:16; 226:8; 252:4
limitations 83:12, 14;
115:8; 178:14; 190:15;
228:3
limited 18:11; 19:9

limits 239:15
line 108:22; 114:11;
127:14, 17, 18, 22; 128:17;
147:18; 148:9, 9; 173:18;
176:15; 195:21; 197:13,
14; 204:5; 213:14; 214:6,
7; 232:13; 239:9
lines 179:24, 25, 25, 25;
180:1; 203:10; 213:18, 22;
217:11
link 10:16; 11:23; 17:24;
66:14; 209:20
linkage 60:16; 61:1
linked 16:10; 65:1
linking 12:17; 65:10
links 7:3; 11:25; 19:6
list 29:5; 43:18, 18; 84:9;
183:25; 230:2, 2
list-I 234:22
listen 25:24; 26:22;
158:21
listening 173:12
literal 172:20
little 48:2; 59:8; 60:9;
62:13, 21; 64:11, 16;
65:14, 17, 23; 66:8; 67:3;
68:14; 69:25; 76:18;
77:15; 82:17; 99:5;
101:13; 104:7; 108:14;
124:6; 141:5, 16, 19;
150:10; 157:19; 159:9;
161:14; 179:9; 189:13;
193:18; 194:13; 209:2;
217:15; 230:9; 233:23;
237:21
lives 82:14
location 65:12; 69:1;
190:25; 191:25; 192:5
locations 65:20
locked 217:15
locking 175:18
log 31:14; 98:20
logic 86:24; 168:10
logical 104:20; 200:11
logically 195:1
long 25:11; 27:17; 32:23;
34:18, 25, 25; 60:16;
90:19; 105:20; 107:16;
121:19, 22; 158:11;
164:13; 189:20; 192:20;
194:15; 200:22; 216:1;
217:17; 224:12; 253:4;
254:14
long-term 32:18; 44:8;
200:4, 5
longer 127:1; 193:13
longest 190:22
look 12:6; 15:14; 29:25;
30:10; 36:1; 47:22; 48:5;
52:1, 19; 76:25; 77:12;
80:6, 23; 101:7; 102:13,
16; 104:6, 18; 111:21;
113:19; 116:4; 130:21;
132:3, 20, 23; 133:12;
137:14; 147:11; 152:10,
25; 153:20; 155:25;

156:10, 13; 157:22;
158:13, 18; 159:4, 14, 21,
21; 161:3; 164:7; 165:3;
169:12; 174:23; 177:22;
188:4; 190:17; 195:2;
199:25; 200:8, 21, 24;
201:1, 12; 204:2; 206:3, 4,
11; 208:6, 22; 213:11;
218:22, 23; 225:16, 22;
227:7; 231:4; 237:10, 10,
24; 238:19; 251:1; 253:21;
255:25
looked 10:2; 24:21, 25;
39:14; 42:3; 57:19; 63:8;
98:5; 99:17; 232:8; 256:18
looking 10:3; 22:8; 26:14;
38:24; 42:6; 49:17; 55:22;
56:21; 58:9, 11; 61:8;
73:18; 74:10; 90:13;
104:10; 112:10; 113:24;
119:17; 131:22; 133:3;
134:8, 15, 17; 136:12;
148:8; 162:24; 166:14, 25;
168:21; 170:25; 181:9;
203:17; 205:12; 206:22;
207:6, 7; 213:9; 217:3;
219:1; 231:5; 234:2;
240:3, 11, 13; 241:18;
243:8; 257:24, 24, 24
looks 245:13
loop 186:14; 189:12;
210:1
loose 180:14
lose 55:15; 247:17
lost 181:3
lot 18:12; 38:4, 7; 42:20,
23; 43:11; 44:23; 49:9, 15,
22, 24; 54:3, 22; 58:16, 17,
20, 21; 59:13; 60:12, 13;
63:4; 73:13, 14, 20; 76:18,
21; 82:8; 88:19; 89:7;
91:15; 92:19; 98:5;
100:23; 105:3; 110:1;
111:15; 115:14; 116:7, 16;
133:17; 135:9; 147:7;
150:16; 156:21; 161:3, 17;
168:13; 172:12; 176:14;
190:1; 199:3; 202:10;
210:17; 221:6, 6; 237:6;
239:8; 241:24; 242:21;
244:16; 247:5; 248:13
lots 47:9; 109:14, 15;
163:23
love 244:24
loves 75:23
low 19:23; 90:16; 226:24;
251:1
lower 12:13, 13; 31:9;
54:15
lowest 168:7
lumped 58:14
lunch 137:22
Lyon 10:2

M

machine 68:6

magic 47:21; 193:23
magnetization 198:17
magnitude 102:8; 103:25
mailbox 31:8
 ad 21:22
main 39:2; 47:1; 135:24; 184:7
mainly 12:4
maintain 44:15, 15; 45:17; 105:6; 106:6; 107:16; 160:1
maintained 41:13; 95:25; 105:21; 153:3, 7
maintaining 57:20; 230:13
maintenance 54:21; 194:3
major 21:18; 35:3; 45:9; 131:21; 132:7
makes 83:16; 95:20; 122:21; 172:20; 200:11
making 8:9, 15; 18:19; 21:12; 24:13; 60:20; 70:16; 89:14; 97:18; 103:20; 108:4; 111:5; 117:25; 125:2, 20; 156:18; 157:24; 160:25; 174:17; 178:18; 185:12; 199:23; 207:3; 247:13
man 167:7
man-weeks 167:4, 10
man-years 167:11
 age 28:7, 23; 35:16; 117:2; 180:22
managed 30:22
management 19:21; 21:13; 26:15; 28:2; 29:2; 81:16; 87:21; 88:8; 90:15; 18; 91:19, 20, 24; 134:9, 9, 13, 21, 22, 23; 135:1, 2, 21; 179:12; 202:9; 228:20, 20
manager 35:23; 180:3
manipulate 164:3; 176:24
manipulation 120:16
manipulations 103:5
manner 228:23; 232:24; 235:8
manual 40:13; 70:23; 89:7
manufacture 74:15
manufactured 142:12
manufacturer 207:3
manufacturers 51:2; 174:19
manufacturing 7:5; 13:6, 23; 14:1; 18:5; 20:15; 21:10; 27:13, 14; 28:2, 7, 8; 29:3; 32:17; 35:3; 36:6, 7; 37:17, 19, 23; 38:4, 6; 39:1, 44:13, 23; 53:9; 80:3; 86:1, 2, 11; 89:15; 92:16; 97:13; 98:1; 103:11; 129:2; 131:9; 132:6, 20; 133:15; 146:19; 147:4, 22; 151:13; 161:10; 164:17, 18; 187:15; 195:13; 205:16; 208:14; 209:11, 13, 18; 222:9; 225:22; 232:22; 245:12; 257:1
manufacturing—actually 142:25
manufacturing—I 215:5
many 4:12; 5:1; 9:19; 10:4; 11:17, 17; 13:15; 14:16; 18:11; 21:6; 36:7; 39:22, 22; 41:10, 11; 42:24, 24; 43:25; 44:2, 20; 46:8, 8; 48:25; 50:18; 51:14; 69:2; 81:7; 82:14, 14; 84:20; 104:15; 105:3, 3; 114:8; 119:6; 130:16, 25; 131:22; 132:16; 134:10, 15; 138:22; 157:8; 184:9; 187:4, 15; 202:24; 208:1; 212:6; 222:7; 223:11; 225:12; 228:2; 230:8; 231:4; 254:14; 256:19, 25
map 53:3, 15, 24
mapped 53:6
Marash 130:8, 12; 135:17
march 44:10
market 56:2; 76:22; 84:19; 252:23, 24
market—they 42:19
marketed 154:10
marriage 157:10
marrying 156:23
massaging 189:23
massive 40:3, 17; 54:11; 100:22
match 192:8; 244:19; 247:14
matching 19:25
material 15:16, 17, 21; 16:17; 23:6, 7; 28:15; 34:24; 36:3; 89:7; 95:21, 22; 135:25; 144:21; 155:3; 183:19; 188:18; 214:23; 215:1; 218:4, 11, 14, 16, 24; 221:6; 254:7
materials 15:12; 155:22; 214:14, 17; 215:9
math 81:5, 8
mathematical 147:20
matter 29:7; 111:4; 204:1
matters 4:19
matured 220:18
max?—I 27:18
may 4:15, 22; 5:1, 5, 17; 21:7; 23:2; 26:16, 16; 34:20; 37:6, 21; 38:13; 50:22; 51:21; 56:7, 9; 57:8, 12; 58:22, 25; 59:3, 21; 60:14; 61:7, 62:1; 71:22; 88:25; 97:21; 102:3, 4, 4; 105:11; 106:8; 110:15; 114:25; 117:8; 138:12; 143:24, 25; 152:20; 161:14; 174:16; 176:14; 182:2, 23; 187:16; 189:1, 1; 197:17; 200:10; 201:11; 205:8; 209:25; 211:11; 216:14; 228:25; 233:14; 234:22; 235:20; 239:8; 241:21; 248:18
maybe 57:1; 69:25; 81:1; 101:18, 19; 104:7; 105:23; 110:17; 112:13; 116:24; 122:17; 125:25; 126:2; 160:19; 174:22; 192:23; 209:1, 2; 217:9; 220:11; 222:20; 227:5; 232:8; 234:20, 25; 235:23
McDonald's 175:20
mean 27:19; 28:10; 31:17; 56:16; 59:1; 67:11; 84:21; 87:14; 91:20; 94:23; 96:7; 112:21; 113:16; 118:22; 119:11; 120:20; 147:19; 150:8; 159:22; 164:11; 166:2; 173:4, 6; 176:4; 177:7; 184:17; 194:1; 198:11; 206:17; 235:11
meaning 79:20; 231:8
meaningful 44:17; 45:8
means 10:3; 13:21; 27:12; 37:21; 58:15; 65:4; 79:21; 84:21; 86:16; 99:14; 102:1; 138:15; 145:22; 157:20; 162:18; 163:15; 164:10, 25; 172:5; 176:7; 181:6; 209:8; 231:19; 239:9, 12; 244:7
meant 65:8; 72:9; 171:2
meantime 40:7
measure 80:12; 87:8; 94:13; 132:8, 11; 142:17; 152:22; 189:16; 191:8; 206:10; 222:25; 241:20
measured 145:17
measurement 118:7; 126:10; 136:14, 19; 137:6, 8, 15, 15; 145:10, 12; 147:20; 152:20; 186:3; 188:10, 17, 19, 25; 189:21; 190:6; 217:4; 222:24; 223:25; 229:11; 247:11; 248:13
measurements 70:16; 114:3; 117:1, 11, 25; 118:3, 17; 136:18; 137:2; 163:3; 186:15; 217:1; 223:5; 254:7
measures 16:10; 40:9, 19, 20; 87:17, 23; 254:12
measuring 136:11; 185:24; 202:12
mechanism 117:3; 184:2; 186:19; 212:4, 5
mechanistic 19:15
media 227:3
medical 62:12, 14, 15, 19, 20; 63:13; 64:4, 14; 65:15; 67:4, 18; 69:11; 70:5; 80:2, 3, 4; 84:10; 85:6, 13, 19, 20; 86:10, 13, 14; 87:16; 89:15; 91:3; 92:12, 13; 121:15; 122:15, 20; 131:2
Medicine 7:18; 9:17
medium 19:23
meet 65:10; 68:9, 19; 72:16; 76:20; 114:23
meeting 4:6, 8, 9; 6:12, 22; 7:20, 24; 8:12; 10:17; 13:1; 16:14; 25:3; 78:18; 93:20; 95:1; 126:24; 127:25; 176:3; 178:8; 197:18; 207:5; 219:12; 220:12; 229:5; 240:10; 241:10; 250:1, 11, 18; 252:12; 257:14
meeting—a 231:24
meetings 13:3; 110:13; 130:21; 172:9; 196:21; 237:23; 239:5; 242:1; 244:1; 249:5; 253:16; 256:23, 24; 257:4, 9
meetings—I 253:14
meets 108:5, 5; 124:24; 174:4, 17
megabytes 102:16; 105:8; 106:6; 118:8; 119:16
Mel 100:14; 101:14; 222:17; 239:21
member 5:4; 7:19; 9:6
members 4:2; 7:15
membership 13:22
mentality 175:16
mention 31:6; 64:16; 114:24
mentioned 47:9, 25; 63:17; 74:24; 93:20; 98:22; 146:11; 199:24; 233:22; 234:7
message 87:13; 125:25; 126:8; 138:4; 195:7
met 68:17; 73:21; 105:13; 110:6
met-data 32:3
meta-data 32:4; 55:7
meter 87:5
method 11:8, 8; 90:13; 136:22, 23; 145:10; 188:24; 192:12; 197:23; 225:14; 226:17; 227:11, 23, 23; 228:7; 229:20, 21; 230:4, 15, 17, 17; 231:13, 14, 20; 232:8, 15; 235:17; 247:1, 10, 19
method—you 231:6
methodologies 9:5; 34:8; 134:7; 135:15; 225:6; 226:25; 229:6; 233:5, 8, 21; 234:1, 1, 5
methodology 228:9; 232:4, 12; 237:17
methods 10:24, 25; 11:5; 12:2; 24:5; 101:6; 128:4; 190:11; 225:4, 24; 226:2, 3, 6; 227:5; 229:10, 22; 230:11, 21; 231:1, 25; 232:18, 20; 233:3, 13, 14, 18; 234:17; 236:12; 240:25; 247:11
METLAB 93:21, 24; 94:6, 6, 11, 15; 95:6
micro 24:1, 5; 138:16; 171:21, 23; 224:24; 225:17; 233:17; 236:9, 11, 14; 237:4; 245:16; 247:18
microbes 226:4, 19, 24
microbial 226:8, 11, 13, 14, 16, 22; 229:11; 231:1; 236:20
microbiological 233:3; 234:11
microbiologist 231:7
microbiologists 228:2; 231:10
microbiology 24:7; 171:20; 224:25; 225:4; 227:19; 233:13; 234:16; 246:23
microns 145:20; 203:13
microorganisms 226:7; 227:8
microscope 95:23; 96:3, 5
microscopic 149:3, 4; 182:2; 188:13; 189:15
Microsoft 80:24
mid-range 48:1, 5
middle 99:7; 160:17
might 20:4; 54:14; 55:24; 57:4; 66:7; 67:4; 102:21; 109:10; 117:20; 118:3, 17; 137:12, 16; 158:14; 160:23; 162:1; 174:15; 189:7, 19; 193:13; 196:13; 200:10; 210:1; 215:4; 227:7; 229:3; 235:3; 240:4; 246:9; 247:2
migrate 193:23
migration 44:20; 194:6
Mike 8:20; 177:16; 224:22; 233:1, 10; 236:24
MILLER 129:20; 140:3, 5; 160:6; 179:17
milligrams 185:19, 20
milliliter 216:16
milling 147:24
million 163:2; 186:1
mind 25:22; 27:10; 47:23; 60:17; 90:2; 118:13; 120:25; 121:5; 152:16; 153:9; 155:13; 160:11; 178:2; 190:16; 199:7; 204:17; 216:24; 217:17; 218:2; 225:16; 250:15; 252:1; 253:11
mine 240:3; 241:4
minimal 125:4
minimize 184:12; 210:13; 217:20
minimizes 210:17
minimizing 211:22
minimum 83:13; 118:11;

251:2; 254:23
mining 35:24; 57:9; 101:1
minor 242:10
minute 27:8; 72:2; 97:7;
 109:21; 135:16; 213:3;
 253:18
minutes 15:4; 27:18;
 96:17; 113:9; 114:5;
 130:9; 131:11; 136:12;
 137:21; 140:19, 19
misconception 175:11
misinterpretation 99:19
misinterpreting 124:2
miss 243:22; 256:24
missed 209:1
missing 50:8; 89:22;
 118:15
Mission 166:24
mistaken 243:11
mistakes 174:8
misunderstanding
 93:14
misused 231:19
MIT 6:7; 254:16
mitigated 5:8
mitigation 17:11
mix 103:15; 224:8
mixing 144:9; 146:16;
 186:20, 25; 188:4
mixture 144:25; 186:10
mobilization 40:3
mobilizations 40:18
mock 23:21; 138:16;
 140:2, 4, 8; 155:25
mode 21:12; 29:25;
 125:13; 210:16, 16;
 251:21, 21; 252:6
model 33:1, 1, 3, 5, 7, 10,
 12, 15; 34:1, 1, 2, 10, 19;
 58:15; 59:18; 76:6; 79:16;
 81:18; 87:1; 90:15, 18;
 92:10; 94:20, 22; 103:11;
 110:16; 113:8; 137:10, 11,
 14; 202:18; 203:1, 25;
 208:21; 214:9; 239:14
modeled 13:14, 21
modeling 149:16; 182:2
modelling 28:2; 29:2;
 32:16
models 32:6; 33:10; 34:5;
 59:10, 11, 22; 116:6, 9;
 117:5, 6; 132:6, 7
modern 114:18; 164:5;
 252:11
modern-day 119:3
modified 68:11
modify 210:7; 214:20
modifying 231:17
module 93:6, 6, 7
modules 51:17
Moheb 8:22
Moldenhauer 230:23, 23
molecular 149:16; 154:8;
 182:1

molecules 183:23
moment 29:6; 30:12;
 45:24; 58:13; 126:3;
 162:24; 181:14; 186:12;
 215:25; 227:24; 256:1
moments 181:15
Monday 176:3
money 46:3; 83:22
moniker 238:23
monitor 36:17; 101:22;
 111:21; 113:9; 136:20;
 144:15; 145:7; 146:12;
 150:12, 22; 182:8, 14;
 183:16; 184:6; 191:7;
 202:20; 211:5; 212:14;
 241:13
monitored 75:3; 148:2;
 150:20, 25
monitoring 35:7; 38:1;
 75:5; 101:24; 105:25;
 106:7; 136:14; 141:10;
 145:4; 148:14; 150:7;
 184:1, 4, 7; 185:5; 213:6;
 215:6; 219:4
monitoring-PSD
 141:21
monitors 38:1; 184:10
monograph 167:19, 21;
 172:6
monotypical 218:25
month 166:18; 243:14
months 75:22; 165:11;
 255:3
more 9:6; 10:1; 11:17;
 14:2, 23; 16:24; 17:12;
 18:2, 13; 19:11, 17; 21:3,
 10; 43:1; 45:6; 46:12;
 49:24; 51:4, 7, 8; 56:11,
 12; 57:8, 10; 60:18, 25;
 68:21; 69:5, 17, 22, 25;
 71:15; 74:14; 81:1; 93:10,
 13; 97:11; 100:12, 24, 24;
 101:14, 24; 102:1; 103:25;
 104:2, 2; 106:24; 107:24;
 114:18; 125:14; 127:1;
 129:4; 133:2, 2; 148:14,
 25; 149:4, 19, 24; 160:5;
 163:15; 172:21; 176:18;
 182:22; 188:23; 204:3;
 205:13; 206:22; 212:2;
 215:13; 218:17; 222:23;
 223:6, 6, 13, 13; 225:19,
 22; 226:2, 23; 229:7, 15;
 239:14, 23; 249:13;
 251:12; 252:2, 2; 254:4,
 20; 255:20, 20; 256:14
morning 6:13; 23:13;
 75:15; 97:16, 25; 123:7;
 130:12; 138:15, 17; 141:1;
 155:24; 156:21; 157:20;
 158:10; 159:9; 162:17;
 166:4; 181:12; 194:10;
 199:7, 24; 215:19; 241:23
morning's 223:21
morphology 149:10
MORRIS 50:4, 21; 59:5,
 8; 101:12; 106:12; 110:11;
 112:20; 119:10; 172:8;

173:5; 176:1; 177:6;
 198:4; 208:15; 218:19;
 237:20; 243:6; 246:17;
 254:17
most 13:16; 14:5; 28:13;
 61:12; 72:19; 73:24;
 79:22; 81:5, 12; 84:12;
 132:12; 133:9; 140:9;
 147:11; 160:13; 168:17;
 183:7; 189:13; 206:6;
 213:8, 13; 220:11; 226:6,
 17; 235:6; 253:11
motivation 179:10; 208:7
move 10:7, 11; 13:25;
 16:4, 5, 15; 19:5; 20:1;
 28:18; 29:8; 36:14; 43:6;
 62:4; 97:1; 105:14; 108:6;
 115:9; 131:18; 140:21;
 145:14, 16; 157:10;
 158:12; 171:19; 175:16;
 180:21; 196:16; 213:10;
 217:3; 225:24; 244:12;
 252:20
moved 6:14; 53:22;
 73:23; 236:6
moves 44:19; 146:7
moving 7:21; 10:20;
 12:22; 14:9; 27:20, 24;
 28:16; 31:24; 63:1, 21;
 157:1; 165:14; 175:17;
 185:24; 236:10; 244:22
mowed 149:7
MRP 39:16; 54:2, 3
MRP-2 40:4; 41:10
much 19:9; 26:9; 27:14,
 25; 38:18; 43:4, 21; 46:3;
 47:15; 54:17; 55:19;
 56:10, 19; 69:17; 75:13,
 23; 88:12; 90:9; 92:14;
 96:13; 100:8, 12; 102:12;
 106:17; 107:24; 112:21;
 114:9, 12, 22; 136:15;
 140:21; 142:4; 144:13;
 147:9, 14; 148:12; 149:19;
 152:5; 157:16; 171:17, 18;
 178:12; 179:23; 186:15,
 15; 189:18; 190:3; 191:3;
 192:19; 194:23; 201:11,
 16; 207:12; 212:2; 224:15;
 231:8; 240:15; 253:2;
 256:14
muddy 124:16
multi 141:23; 190:20
multi-center 7:19
multi-site 39:21
multiplying 43:24
multitude 249:15
multivariate 10:20; 12:1;
 17:8; 253:12
Murray 75:14, 15, 16;
 94:2; 95:12; 140:25;
 193:25
must 86:5, 17; 87:20, 21,
 23; 111:7; 121:8; 135:5;
 163:11; 169:16; 170:7, 21;
 171:14; 183:20; 225:7, 9,
 11
mustn't 126:16

myself 8:22; 57:21;
 154:25; 187:20; 225:9;
 246:10

N

N 138:2, 2, 2
name 100:3; 140:23;
 155:19
names 9:14; 234:23
narrow 189:20
NASA 17:16
Nasr 8:22
nasty 166:19
National 91:2, 9
nature 5:6; 37:19
NDA 154:10, 12, 17;
 155:8, 9; 174:24; 175:2
near 164:1
near-infrared 10:2; 11:4,
 4; 23:5; 167:20; 168:25;
 169:17
neat 157:4; 158:2
necessarily 46:22; 50:2;
 58:23; 66:14; 95:6; 108:1;
 122:13; 195:19; 224:11;
 235:11
necessarily-when
 60:23
necessary 7:10; 32:17;
 97:21; 153:13; 193:6;
 200:1; 209:21
need 11:21; 15:10; 16:2;
 20:7; 22:9; 23:24; 24:4;
 28:20; 29:23; 31:22;
 36:24; 37:7; 40:11; 44:6,
 18; 45:20, 20; 47:7, 7;
 52:12; 53:23; 54:22;
 55:16, 22, 25; 56:3, 23;
 57:5, 6, 15; 58:2; 59:3;
 60:4, 11, 15; 61:3, 22;
 66:14; 80:17, 17; 81:22,
 23; 83:14; 84:17; 87:9;
 88:16, 17; 92:22; 95:16;
 96:11; 97:16, 24; 98:5;
 104:3, 6; 105:11, 21;
 112:18; 113:5, 25; 114:17,
 22; 117:6; 118:7, 23;
 125:10; 128:16; 129:21;
 131:7; 134:6; 149:22;
 150:7; 154:3, 19; 157:12;
 159:6; 162:4, 12, 16, 21;
 163:8; 165:9; 168:19;
 169:20, 25; 171:8, 11;
 177:24; 182:14; 194:21,
 22; 199:25; 200:8, 18;
 205:20, 24; 206:2; 207:1;
 208:17; 215:23; 224:9;
 231:11, 22; 233:4; 238:5;
 245:18; 247:21, 22; 252:4;
 253:5
need-and 231:23
needed 21:6; 40:9;
 104:15; 114:19; 142:7;
 167:6, 7, 13; 182:25; 194:7
needle 189:19
needs 35:22; 37:10;

40:11; 55:6, 11; 66:22;
 92:18; 103:4; 108:5, 6;
 114:23; 115:1; 116:14;
 119:12; 126:8; 129:18;
 133:10, 25; 169:7; 170:17,
 24; 182:11; 195:2; 200:12;
 219:16; 244:9
negative 125:3; 235:20;
 237:11
negatively 235:12
negotiate 152:4
negotiations 154:6
net 58:15
New 8:17; 9:13, 16; 10:13;
 13:5; 15:1; 24:19; 41:17,
 17, 20; 42:18; 45:7, 25;
 46:17, 18; 54:9; 58:17;
 63:2; 76:8; 83:2; 100:18;
 101:23; 121:18; 122:23;
 123:2; 126:4; 129:6, 14,
 15, 22; 154:7; 158:7, 12;
 161:9; 162:21; 164:4;
 165:5, 9, 10; 166:9; 177:4;
 190:17; 196:9; 204:3, 11;
 206:12; 207:6; 209:7;
 216:6; 222:8; 225:11, 14;
 227:5; 229:20; 230:7, 8,
 15; 231:13, 19; 232:15;
 233:3, 6, 8; 239:11;
 245:13, 14; 247:1; 249:8,
 23; 256:3; 257:25
newer 223:10
next 12:22; 13:4; 14:9;
 35:16; 80:11; 84:7, 17;
 92:20; 100:25; 115:9;
 126:17; 134:6; 165:20;
 171:19; 181:15; 218:5;
 232:8; 236:8; 245:2, 9
NF 62:18
nice 109:13; 135:10;
 238:2
nicely 17:23
night 26:7
nightmare 165:11, 15
NIR 28:13; 32:3; 141:15;
 172:4
NIRCC 89:17
NIST 167:25; 168:22;
 169:17; 170:8
nitrogen 62:18, 19
nobody 126:11
noise 213:20
nominally 100:20
non-complying 67:17
non-conforming 67:18
non-culturable 227:2
non-existent 230:20
non-ionic 183:5, 13
non-parallel 180:20
non-profit 130:24
non-salt 183:10
non-threatening 77:17
non-uniformity 150:1
none 94:4; 117:8
normal 29:14, 15; 36:20;

37:4
normally 15:8; 32:23;
111:15; 194:10
note 89:6; 140:22
of 5:13
noticed 189:18
notification 99:12
novel 217:19
nowadays 168:25;
222:24
nowhere 244:10
nucleation 210:16
null 31:3
number 6:22; 34:4;
76:10; 77:9; 81:13; 83:16;
85:5, 14, 15; 87:20, 22;
91:11; 97:10; 105:7;
115:16; 118:9; 120:1;
129:10; 131:14; 135:20;
141:13; 145:21; 168:5;
172:4; 176:14; 187:5;
191:8; 192:7; 196:9;
203:12; 208:3, 5; 223:8;
226:7; 227:8; 228:15;
231:6; 249:7; 250:18
numbers 113:17; 146:1;
226:25; 235:3, 9, 10
nutshell 219:14

O

of 3:2, 2, 2
of 137:23, 24
objective 251:25
objectives 23:4; 133:13;
161:2
observation 42:2
observations 39:20, 23;
41:22
observe 240:22
obstacles 256:3, 5
obtained 4:22
obvious 214:15; 249:12
obviously 18:15; 29:4;
30:11; 34:24; 35:2; 106:3,
22; 115:7; 118:24; 143:7,
19; 146:14; 147:17; 148:3;
150:24; 156:14; 157:11;
177:14; 187:2; 189:10;
209:3
occasions 12:24
occur 30:4, 5; 41:11;
84:18; 97:8; 138:17
occurred 90:24
occurrence 31:1
occurrences 31:18
occurs 105:18; 239:12
OEB-4 163:24
OFQ-5 163:24
of 17:5
of 58:3; 65:25; 92:6;
126:12; 210:24
off-line 122:9; 185:18;
186:4; 194:9

off-the-shelf 90:8, 14;
94:3; 162:8; 248:6
offer 241:21; 246:10
offerings 74:9
offers 111:15
Office 4:24; 6:4; 7:16;
67:6; 68:15; 75:17; 78:22;
245:6
officer 93:8
officers 9:15; 92:24
often 18:10, 21; 46:11;
87:14; 102:24; 147:6;
162:7, 14, 18, 20, 21;
164:12, 25; 165:15, 23;
188:23; 245:18
oftentimes 147:9
old 54:9, 10; 83:3; 232:16;
244:6; 247:2
older 39:18
Olson 8:21
ombudsman 245:5
on-line 9:4; 12:15; 15:25;
16:17; 75:4; 105:25;
106:5; 111:21; 113:17;
120:7; 122:5; 145:6;
162:2, 24; 167:3; 168:13;
170:14; 177:22; 185:16;
211:5; 219:4; 248:12;
254:16
Once 33:13, 16, 22, 22;
34:19; 35:2, 5; 37:23;
72:13; 93:12; 98:25;
115:19; 123:13, 21; 154:3;
194:23; 198:8; 209:10;
214:5; 218:9
one 9:6; 12:5; 13:16; 14:5;
20:6, 18; 21:18; 28:11, 11;
30:10; 31:6; 36:9; 38:10,
10, 11, 13; 39:11, 15;
40:18, 19; 47:18; 49:7, 10;
50:4; 51:24; 54:3, 20; 57:4;
59:4; 63:5; 64:23; 65:16,
16; 66:3, 4; 68:11; 72:5,
12, 24; 73:1, 1, 14; 76:10;
77:15; 78:2, 5; 80:13; 81:3,
13; 83:16; 84:8; 85:5, 14;
86:8, 25; 87:19; 89:4; 90:9,
21; 91:14, 19; 92:13, 22;
93:10; 95:4; 99:20, 20;
101:6, 9; 102:14; 104:12;
106:1; 107:4; 110:13;
111:5; 117:7, 16; 118:9,
18; 120:4; 121:7, 14;
124:13; 126:18, 19;
127:14; 130:7; 131:4;
132:8; 134:7; 135:16;
137:12, 23, 24; 143:18;
146:16, 18, 19; 149:15;
158:13; 161:17; 162:24;
165:4; 169:15; 170:25;
171:11; 172:3, 8; 176:1;
177:2, 11, 16; 180:8;
181:25; 183:24; 184:8;
185:9; 186:6, 17, 23;
187:1; 188:11; 189:10, 22,
22; 191:6, 19; 193:11, 16;
197:6; 200:3; 201:5, 5;
203:16; 205:5; 206:13;
208:3, 25; 210:6, 10, 20;

211:9, 23; 216:9; 221:2;
223:23; 224:4; 227:1, 1;
228:5, 8; 229:12, 20;
231:2; 232:1, 11; 235:1, 4;
236:1, 19; 238:11; 239:4;
240:1; 244:6; 246:22;
247:17; 248:4; 249:6, 10,
15, 16; 251:8; 252:12;
254:8
one-time 72:10
ones 61:14, 24, 25;
68:19; 233:8
ongoing 40:20; 45:23;
125:7; 126:21; 197:19;
256:11
only 12:4, 19; 20:10; 21:4;
33:25; 66:3, 25; 70:13;
88:24; 90:10; 95:14;
100:19; 105:11; 115:25;
118:23; 155:9; 165:17;
178:11; 183:14; 187:24;
191:11; 197:12, 17, 23;
199:9; 208:21; 212:3;
222:22; 227:25; 228:6;
229:9; 242:16; 252:7;
257:20
open 5:22; 17:3; 45:10;
119:13; 123:1, 18; 128:23;
130:6, 7, 11; 137:21;
232:3; 257:18, 25
open-ended 46:5; 55:13
opened 107:13
opens 107:17; 182:13
operate 56:23; 81:22;
84:2
operating 47:16
operation 40:16; 52:24;
142:2, 7; 144:17; 146:9;
148:3, 7, 11, 16, 18, 24, 25
operational 123:14
operations 145:8; 150:9,
19, 23; 153:23
operator 30:13; 35:10, 20
operators 156:15
opinion 62:24; 81:1;
120:5
opinions 227:21
opportunities 159:6;
241:21
opportunity 10:23;
14:21; 20:1; 35:4; 61:7;
130:13; 136:3; 155:13, 21;
180:10; 205:1; 219:13;
241:4; 244:24; 253:19;
254:25
opposed 28:8; 61:1;
72:10; 81:6; 125:7; 208:7
opposite 89:1
optimal 15:22
optimization 15:13;
16:20; 17:1, 4; 117:4;
127:2, 3; 128:15; 254:22,
24
optimize 197:14; 207:21
optimizing 182:21
optimum 5:20; 16:7;
210:4

option 17:2
options 194:5
OQ 242:17
ORA 99:23; 249:20
oracle 120:9
order 45:5; 101:2;
103:24; 108:6; 186:17;
201:22; 206:2; 216:15;
238:15; 241:2; 242:8
ordering 74:5
ordinary 65:4
organization 21:23;
130:17, 24, 24; 237:15
organizational 228:18
organizations 105:4;
106:22; 125:15; 131:23;
132:16
oriented 131:15
original 32:6; 103:14;
116:6; 190:2
original-SQM 147:19
originally 78:21; 84:15
originated 81:5
others 10:2; 47:9, 25;
49:13; 51:22; 101:22;
136:7
otherwise 55:12; 65:3;
96:1; 99:2; 118:23; 121:10
ought 119:23; 227:14;
247:16; 252:5
ourselves 11:16; 84:24;
195:6; 203:16
out 9:24; 15:5; 26:25;
29:17; 35:13; 42:19;
55:14; 59:24; 61:6, 22;
63:2; 72:19; 73:7; 76:18;
77:1; 78:5, 24; 79:1, 4, 16;
82:1, 3; 83:9; 85:18, 20,
22; 86:7; 90:5; 92:25;
94:12, 25; 95:22; 97:25;
104:25; 105:15; 107:10;
109:15, 22; 111:20; 113:5;
118:1; 120:21; 124:16;
126:9; 132:20; 133:10;
135:23; 142:3, 9; 144:3,
22, 25; 145:25; 147:13;
149:17; 150:8; 157:12;
158:7; 159:1, 3, 7, 16, 17;
169:9, 12; 171:15; 174:10;
175:25; 176:7; 180:6;
183:12, 19; 193:3; 196:13;
198:12; 201:13; 207:17;
208:2; 216:22; 218:12;
220:16, 21; 222:7; 223:8;
225:22; 226:18; 230:25;
236:23; 237:14; 238:12;
239:5; 241:25; 243:13;
248:7; 253:4; 257:23
outcome 58:2; 122:9;
128:24; 210:19
outline 6:23; 39:4, 6;
141:18; 197:9; 217:25
output 169:6; 206:25;
207:1; 215:10
outset 240:4
outside 30:19; 120:3;
159:1

oven 95:22; 147:13
over 25:12; 35:21; 37:21;
39:16; 41:8, 11; 42:24;
44:21; 45:5; 52:12; 55:15;
56:9; 73:22; 79:19; 89:10;
90:24; 98:6; 102:13;
106:23; 107:16; 117:22;
133:18; 146:3, 6, 22, 22;
159:14; 160:1, 12; 161:14;
176:6, 13; 177:18; 185:25;
193:22; 196:16; 206:19;
219:6; 228:9; 234:17;
237:23; 244:14; 245:20
over-radiation 82:22
over-regulate 239:16
overall 13:20; 25:2; 195:4
overcome 133:24; 196:5
overdosed 82:19
overflow 5:19
overhead 106:10
overheads 26:19; 27:9
overlap 207:20
overlapping 207:18;
216:25
overlay 19:24; 213:18,
22; 214:6; 217:2
overlying 213:11
overview 26:17; 152:10
overwhelm 224:13
own 21:12; 28:14; 33:13;
42:16; 43:23; 55:20;
76:14; 120:25; 162:12;
192:5; 201:12
oxygen 62:15, 17
oxymoronic 90:2

P

P 138:2
p.m 138:1; 258:5
pacemaker 86:23
package 93:10; 137:8;
151:19; 152:4
packages 166:11
paddle 179:16
page 150:6; 183:24;
197:4
pages 220:11
paid 58:24
Panama 82:21
panel 4:2; 30:14; 95:2
pans 150:8
paper 53:3; 55:1; 63:12;
64:22; 69:16; 70:1; 71:23;
78:20, 24; 79:5, 12;
111:16, 16; 112:6, 12;
133:19; 158:17; 199:13,
15; 201:20
papers 135:21
paradigm 161:16; 201:1;
207:14
paradigms 202:1
paragraph 233:13
parallel 40:15; 180:19;

<p>199:21; 236:16 parameter 142:17; 145:24; 209:15 parameters 15:19, 23; 37:4, 25; 115:22; 117:21; 187:25; 194:24; 205:9; 216:8 parametric 117:18 pardon 213:20 Parklawn 4:24 part 4:7; 8:9; 10:13; 14:25; 22:11, 20; 24:2, 17, 20; 25:1, 3, 16; 26:2, 12; 27:11; 29:13, 16; 36:5; 38:21; 39:8; 41:6; 42:10, 16, 20, 22; 43:7, 9, 13; 44:7; 45:18, 23; 46:21; 48:10; 49:23; 50:16; 51:10, 14; 61:17; 62:24; 63:7; 69:6, 8, 15, 15; 70:2, 4; 71:4, 19; 72:6, 16; 73:18; 75:21; 76:1, 5, 10, 11, 22, 24; 77:2, 5, 10, 14, 18, 19, 22; 78:12, 14, 25; 79:9, 14, 22; 97:2, 10, 12; 100:5; 101:12, 15; 104:23; 105:4; 108:12; 110:8; 111:2, 9, 22; 112:4, 18; 127:3; 128:15; 129:6; 135:10; 140:13, 14, 20; 151:7; 155:24, 25; 156:2; 157:8, 16, 22, 24; 158:24; 160:3; 161:24; 162:17; 163:2; 165:4, 14, 16; 174:18; 176:4; 179:18; 187:20; 188:8; 192:10; 193:4, 10; 194:2; 195:5, 8; 200:7; 204:22; 205:14; 206:6; 230:14; 231:21; 234:14; 237:5; 242:2, 3, 16; 243:19; 257:24 part—I 112:21 partial 229:9 participants 5:11, 12, 14 participate 4:21 participated 48:21 participating 179:20 particle 141:10, 21; 143:20; 144:12; 145:9; 146:2; 147:17; 148:12, 21; 149:2, 6; 150:8; 151:1; 152:7, 7, 12, 21; 153:4, 6, 10, 11, 17, 18, 23, 24; 155:1, 2; 159:22; 162:24; 183:16; 185:7; 188:2, 2, 24, 25; 189:21; 190:9, 10, 22, 24; 191:17; 205:11; 209:4, 5; 210:4, 6; 212:17 particles 145:14, 15; 146:1; 147:5, 25; 186:1; 187:5; 190:13; 191:9; 211:22, 24; 212:5 particular 4:10; 31:7; 39:5, 12, 14, 15; 107:8; 141:5; 156:6; 187:13; 209:14; 214:19 particularly 46:21; 50:10; 107:25; 156:15;</p>	<p>166:3; 193:7; 239:2 partner 174:7 parts 69:10; 160:13; 191:1 pass/fail 35:11; 60:25 passed 74:6; 232:24 passes 35:19 passionate 136:6 password 29:12; 30:7, 15, 23; 68:3, 13; 100:3 passwords 30:24 past 28:1; 114:13; 138:8 PAT 6:25; 7:4, 7, 9, 14, 18; 8:7, 10, 14, 16, 23; 9:9; 10:16, 21, 22; 11:9, 19, 25, 25; 12:5, 8, 16, 23; 13:1, 10, 14, 21; 14:12, 25; 15:5, 6, 11, 14; 16:21; 17:17, 25; 18:2; 19:8, 14; 20:17; 22:3, 6, 9, 18, 23, 25; 23:10, 25; 24:2, 17, 25; 25:10, 15, 18; 26:2, 10, 15; 27:12, 19; 28:10; 53:9; 54:15; 55:6; 80:4; 89:15; 93:20; 97:2, 11; 105:24; 117:11; 118:14, 17, 24; 121:1, 10; 122:2, 19; 125:23; 127:12; 130:15; 131:13, 18; 133:13, 22; 134:12; 140:2, 4; 141:7, 8, 13, 20; 145:4; 149:3, 10; 150:4, 11, 12, 22, 24; 151:3; 155:22; 156:13, 23; 157:8; 158:21; 159:1; 160:23; 161:3, 23; 165:22; 170:21; 171:7, 24; 172:1; 173:10, 13; 178:17; 179:21; 182:4; 183:25; 184:5; 185:3; 187:19, 22; 188:4; 195:12; 197:5; 198:20; 199:1, 20; 201:1; 202:1, 9, 12; 203:5; 205:4; 206:21; 207:6, 16; 212:19; 214:19; 219:21; 225:8; 234:1, 15; 236:4, 6, 12; 237:4, 12, 19; 238:10; 243:3, 20, 21; 244:5; 245:15; 249:23; 250:4, 9; 251:5, 17; 255:15, 21; 256:24; 257:4, 14; 258:1 PAT—how 153:15 PAT—I 255:20 PAT—based 117:1 PAT@CDER.FDA.gov 219:24; 237:1 pathogenic 236:22 pathway 60:10; 130:3, 4 patient 42:8; 58:10, 11, 21, 23, 24; 59:2; 92:14; 121:16, 19; 122:1, 16, 21; 158:1; 215:16; 250:21, 23 patient's 58:19 patients 82:18 PATs 125:17 paved 74:5 pay 58:25 pay-off 147:1 PC 28:14; 30:14</p>	<p>PCCP 60:5; 241:17 PCCPs 59:20; 241:11, 13 PDA 236:11, 14 peak 170:1 peaks 219:5 Pecan 255:11 peg 247:14 penalize 124:23; 128:18; 204:21; 205:3 penalized 238:24 pending 154:13 Pennsylvania 62:11 people 5:18; 6:1; 30:16, 19; 31:1; 32:25; 59:16; 67:6; 69:18; 70:13, 25; 76:11; 82:21; 84:3; 87:14; 88:12, 19; 90:11; 102:11; 105:3, 15, 19; 109:13; 115:12; 119:21; 131:22; 132:15, 23; 133:5, 5, 8; 138:22; 156:16; 164:2; 171:21, 24; 173:4, 22; 192:24; 222:12; 230:10; 232:3; 235:2, 16; 236:24; 244:8; 245:25; 252:25; 253:17 people's 82:14 per 145:21; 216:16; 231:5 perceive 200:11 perceived 133:16, 23; 196:19; 244:5 percent 37:13; 44:1, 2; 50:23; 84:11, 13; 88:23, 24; 102:18; 108:17; 112:23; 120:18; 144:18; 184:8; 228:5, 7; 244:7, 8; 251:3 percentage 203:13 perception 94:24; 120:23; 124:5, 14; 134:3; 163:7; 225:2 perceptions 121:3; 160:22; 166:1; 222:1 perfect 126:8; 203:25 perfectly 31:11; 165:6; 218:13 perform 153:12; 163:21 performance 16:1, 10, 16; 19:7; 42:15; 132:5; 134:13; 142:3, 14, 18, 22; 151:5; 152:6, 22; 167:17; 169:2; 170:11, 18; 171:12; 188:17; 201:3; 205:15; 222:24; 223:1, 5 performance- indicating 142:16 performed 144:4; 170:21 perhaps 29:19; 33:12; 36:1; 37:6; 49:14; 55:23; 229:15; 231:25; 234:17; 240:18 period 21:9; 41:9, 14; 62:1; 63:11; 65:16; 68:17; 106:17, 17; 107:16; 110:18; 160:1; 181:12; 185:25; 191:16; 194:15;</p>	<p>242:20 periods 44:22; 254:15 peripheral 102:17 permanent 169:10 permit 227:22; 233:7 permits 4:20 person 64:18; 65:11; 66:4; 92:15; 98:25; 99:16; 115:25; 178:21; 237:14 person's 98:21 personal 44:11; 183:10 personally 81:24; 131:1; 182:10 personnel 30:13; 67:3 persons 66:16 perspective 18:1, 7, 10; 58:11, 19; 94:23; 103:5; 104:19; 127:15; 129:25; 158:14; 160:3; 188:10, 20; 200:1; 205:16; 221:24; 248:5; 250:21, 23; 251:23; 256:5, 17 perspective—that 250:22 perspectives 25:6 persuade 162:9 persuasion 180:4 Pertinent 26:2; 97:2 petroleum 248:12 Pfizer 6:8; 124:11; 125:21; 138:16; 161:18; 163:8; 169:23 Pfizer's 11:6 pH 189:11 pharmaceutical 4:18; 32:25; 38:7; 48:6; 50:19, 22; 51:2; 62:13, 19; 64:11; 65:18; 131:8; 222:22; 228:15; 229:13; 232:19 pharmaceuticals 248:19; 252:16; 253:11 pharmaceutics 9:2 pharmacist 253:15 pharmacists 189:25 Pharmacy 253:22, 25, 25 phase 122:3; 123:10; 125:12; 127:1, 2; 134:20; 135:4; 140:20; 149:18 phased 41:11 phenomena 150:4; 202:18; 223:14 Philadelphia 9:13; 82:18 philosophy 30:9; 31:4; 175:9; 247:18 photons 223:18 phrase 18:8 phrases 79:20 PhRMA 137:19; 221:2 physical 19:18; 83:8, 12, 13; 154:24; 181:23; 236:5; 246:25; 253:12 physicals 83:12 physician's 94:8 physics 83:7</p>	<p>picking 66:5 picture 144:9; 186:23 pictures 144:7; 189:16 pie 232:17 piece 112:1; 174:15; 215:4 pieces 50:12 pilot 146:9, 17; 147:3; 155:10; 186:7; 203:9 pimple 220:22, 22 pinpoint 56:10, 12 pitch 48:6 place 51:15; 66:2, 9, 12; 67:15; 69:20; 73:25; 74:11; 80:24; 82:23; 85:23; 91:8; 112:13; 117:1; 137:16; 153:1; 175:18; 176:8; 203:17; 206:12; 208:13; 212:19; 219:6, 7; 229:23; 237:7 placed 25:12; 83:8; 127:22 places 86:6; 132:13, 22 plain 124:10; 128:25 plan 128:10; 163:6; 181:19; 209:10; 210:5; 248:21 plane 149:15 planned 41:4; 257:8 planning 7:5; 104:14; 256:6 plans 39:6 plant 30:13; 33:7, 8, 19; 34:2; 35:23; 102:14; 120:14; 129:11; 146:17; 147:3; 163:13, 13; 167:4; 169:14; 212:14; 239:11 plants 65:15; 67:6; 124:11; 163:8 plate 226:24 play 68:1; 212:4 player 25:17 please 96:21; 155:13 pleased 7:13; 8:25; 22:12; 23:18 plot 169:22 plug 72:3 plus 248:8 plus/minus 37:13 PMA 78:3, 3, 17; 84:16; 90:7 point 15:16; 29:7; 32:16; 59:17; 60:17; 61:5; 84:17; 101:22; 103:3, 9; 107:3; 108:19; 110:10, 12; 112:14; 118:9; 120:21; 122:14; 124:7; 125:7; 126:5; 127:10; 136:18, 23; 145:25; 158:16; 160:24; 165:19; 176:1; 179:10; 181:2, 19; 182:19; 184:16; 190:7; 191:3, 16; 192:23; 193:16; 197:5, 18; 198:9; 206:5; 208:15, 16; 210:25; 216:23; 220:8; 224:14; 240:20; 241:11; 255:7</p>
--	--	--	---	--

pointed 97:25; 176:7; 222:7
pointing 146:13
points 16:3; 19:13; 30:1; 5:53; 20:59; 12:60; 2; 61:12; 73:17; 97:18, 20; 98:10, 11; 101:8, 20; 112:17; 113:11; 120:2; 127:9, 9; 136:25; 181:2; 208:23; 213:23; 241:12, 16
policy 8:7, 23; 9:7; 13:9; 73:7; 75:19; 77:5, 6, 7; 94:2; 161:8
poor 251:8, 10, 10, 13, 24
poorly 143:22, 22; 144:4
popularity 6:18
portable 227:9
portfolio 49:16
pose 22:4; 23:3; 31:19; 34:15; 178:19; 236:22
posed 116:5; 127:20; 181:5, 11; 192:21
poses 188:9
Posing 36:11, 22; 198:5
position 107:5, 21; 124:7; 127:23, 23; 173:3; 187:24
positioning 187:8
positive 35:15; 208:7; 235:20
possibility 15:20; 196:3
possible 8:15; 27:8; 43:4; 202:19; 208:11; 220:16; 224:10
possibly 12:20; 22:8; 38:16; 55:5; 56:11; 120:10; 161:19
post 129:23; 207:8
post-approval 175:6, 10
post-fill 75:8
posts 207:1
potency 216:12, 15
potential 5:3, 5, 8; 217:20
potentially 66:4
powder 118:6; 218:22, 23
power 201:9
powerful 255:19
PQ 161:25
PQRI 7:3; 10:10, 11; 11:2
practical 25:8; 26:10; 48:3; 115:4; 130:14; 147:15; 183:8
practicality 112:11
practically 114:19, 22; 115:1
practice 49:1, 25; 155:7; 253:24
practitioner 163:15
pre 129:23
pre-fill 75:8
pre-NDA 195:17
preamble 99:9
precedents 218:22
precipitant 241:7
precipitates 144:22
precise 249:13
precision 157:1; 231:6
preclude 4:7; 126:15
predetermined 118:10
predicate 43:17; 52:3, 19, 20; 78:15; 111:13, 22; 112:13, 24; 194:12; 199:8; 240:6
predict 12:19; 15:22; 19:7; 97:23; 142:18; 164:2; 166:17; 202:21
predicting 120:9
prediction 118:6
predictions 223:9
predictive 118:4, 11; 218:10
predominate 244:14
premarket 90:6
preparation 179:19
prepare 154:5
prepared 4:18; 249:25
prescribed 43:18
prescription 62:16, 18; 65:19
prescriptive 108:2
presence 150:1; 226:12; 228:8
present 87:2; 101:3; 136:3; 167:25; 178:19; 226:4, 7; 227:4
presentation 6:24; 11:15; 22:14; 23:23; 24:13; 26:6, 7; 27:12; 32:24; 36:4; 38:23; 84:7; 98:16; 102:24; 123:6; 130:10; 140:8, 10; 158:9; 160:7, 17; 173:12; 181:11, 18; 202:19; 203:4, 6; 209:1, 6; 241:6; 255:10
presentations 8:11; 138:10, 14, 15; 171:20; 180:5
presented 26:25; 43:14
presenting 160:9
preservation 44:9; 149:1
preserve 113:5; 194:14
press 102:14
Pressman 81:15
pressure 94:7
pretty 58:14; 64:6; 86:13; 152:14; 169:20; 179:23; 189:18; 194:23; 239:21
prevent 66:13
previous 10:17; 38:23; 43:4; 130:21; 214:7
pride 89:6
primary 61:8
principal 117:10
principle 29:12; 189:17; 247:21, 23
principles 19:16; 48:9; 73:16; 89:4, 8, 16; 91:5; 95:13; 168:19; 248:20
print 79:1
prior 66:17; 106:1
proactive 172:13; 251:21; 253:7; 255:17
probability 20:11
probably 13:16; 20:14; 28:20; 44:6; 57:20; 84:17; 102:18; 103:6; 106:25; 113:13; 117:15; 120:3; 158:11; 159:23; 165:18; 169:13; 186:1; 196:17; 216:23; 225:2; 226:17, 19; 242:18; 246:24; 250:19
probe 127:22; 128:7, 9; 136:16; 169:12; 185:13; 186:8, 10; 187:2, 8; 188:3; 189:4; 191:1, 25; 192:5; 224:7
probes 168:2; 186:18, 24; 189:9; 190:20, 24; 224:4
problem 39:17; 41:25; 49:4; 52:17; 53:25; 68:18; 70:19; 76:10; 77:2, 3; 79:11, 22; 81:10, 23; 82:15, 24; 86:19; 87:20, 22, 24; 89:20; 95:1; 100:16; 109:19; 116:17, 22; 124:4; 126:1, 3; 144:2, 10; 158:25; 162:18; 165:25; 168:24; 174:25; 177:1, 2, 19; 179:7, 11; 182:19, 20; 183:21; 184:24; 193:21; 194:14; 198:20, 20; 199:15; 201:6; 204:10, 15, 16; 206:15, 16, 17; 221:21; 229:12; 234:8; 247:25
problematic 230:9
problems 25:5; 44:9; 49:7; 51:25; 81:3; 83:6; 101:4; 115:16; 160:22; 186:6; 196:11; 207:5, 6; 236:19
problems—that 201:25
procedure 144:16, 19, 23, 24; 145:5, 18; 147:8; 183:12; 209:25
procedures 63:3
proceed 128:21; 221:9, 17
proceeding 221:7
PROCEEDINGS 4:1; 137:25; 258:5
process 6:20; 7:21; 8:1; 11:11, 12, 13; 15:19; 16:3, 5; 19:13; 20:25; 21:2, 5; 37:18; 41:10; 44:5; 46:22; 47:12; 48:13; 49:17; 51:5, 21; 53:15, 18; 54:6; 55:24; 56:17; 57:9, 16; 58:22; 60:21; 61:17; 67:8; 74:21; 80:7; 84:6; 94:24; 95:21; 103:13, 17, 18; 106:8, 14; 109:24; 110:7; 111:10, 18; 112:15; 113:8, 10; 115:18; 117:4, 4; 118:3; 122:5, 7; 123:21, 24; 124:24; 125:11; 127:4, 12; 131:15; 132:3, 5; 133:8; 135:4, 11, 12, 12; 136:19, 20; 140:24; 141:7, 11; 142:21; 143:8, 10, 13; 144:16; 149:9; 150:13, 14, 23; 151:5, 24, 25; 152:18; 153:2, 16, 19, 24; 154:9, 22; 155:1, 3; 156:24; 157:25; 159:13; 164:8, 13; 171:2; 173:11; 174:7; 176:12; 177:15, 25; 182:5, 9, 14, 22; 184:7; 185:14, 17; 187:3, 23, 25; 188:4, 5; 189:15; 191:6, 7; 192:6; 195:13, 21; 197:19; 201:13; 202:10, 17; 203:2; 204:22; 205:8, 17, 25; 207:16, 21, 22, 25; 208:13, 22; 209:13, 14; 211:2, 6, 10; 213:17; 214:20; 215:7, 8; 218:12, 15, 17; 219:8, 18; 220:7; 226:22; 236:17; 237:6; 241:11, 14, 16; 243:9; 245:1, 17; 247:5, 11; 251:7, 10, 13, 18, 22; 254:22; 256:12; 257:3
process—again 11:14
process—Bob 47:11
processability 15:15, 18
processed 103:1
processes 12:3, 13; 14:23; 17:3, 5; 18:3, 14; 24:21; 40:13, 15; 42:7, 11; 47:6, 7; 53:5; 55:22; 86:3, 3; 101:25; 124:21; 125:24; 131:9; 135:5, 7; 156:3; 169:11, 19; 171:13; 182:6; 209:24; 213:7, 13; 214:13; 217:1; 238:24; 240:16; 241:2; 248:4; 250:25, 25; 252:5, 7; 254:18
processibility 215:14
processing 15:23; 43:19; 103:16; 105:13; 106:3; 141:17, 23; 147:10; 150:19; 153:5; 154:1; 166:17; 215:1; 216:7
processors 85:21
produce 62:14; 64:12; 65:15, 18; 164:24, 25; 165:13; 218:16
product 4:11; 10:20; 20:7; 21:12; 23:14; 28:4; 32:25; 33:16; 34:22; 36:14; 37:22; 50:24; 51:3, 3; 55:24, 25; 56:2; 61:13; 67:7, 16, 18; 70:9, 11; 74:14, 20, 21, 24; 75:3, 6, 9; 76:15, 21, 21; 80:24; 92:11; 96:1; 109:22; 117:9, 14, 20; 118:12; 125:3; 126:9; 128:3, 17; 141:25; 142:4; 149:13; 151:6; 154:10; 158:1; 164:15, 19; 176:6; 177:4; 179:2, 4, 6; 181:25; 192:17; 201:2, 5, 14; 204:5, 16, 18; 205:10, 15, 22, 25; 206:5, 6, 7, 14; 209:10; 211:11; 214:24; 215:15, 19; 218:11; 220:20; 223:5, 9; 234:3; 235:12; 241:19; 250:16, 19; 251:24; 253:4
product—l 66:5
product-related 223:4
production 52:3; 64:5; 67:11; 70:5; 92:7; 120:8; 163:23; 175:1, 17; 182:8; 192:12, 13; 209:7
productive 244:1
productivity 232:22
products 5:9, 17; 42:19, 23, 24; 43:2, 5, 7, 11; 51:15, 18; 55:15; 62:10, 22; 152:21; 213:8; 222:9; 225:18, 19, 21, 23; 238:24; 250:12; 252:2
professional 88:5
professionals 88:2, 3
professor 246:10
profile 184:11, 18; 202:14; 214:22; 223:2, 2
profiles 153:21; 154:23
program 7:22; 8:3, 4; 40:5; 46:15; 92:21, 23; 93:5; 126:12; 134:4, 5; 148:18; 236:13, 15
programs 130:17; 134:10; 165:13
progress 6:21, 25; 8:10; 21:1; 145:20, 25; 146:21; 171:6; 244:8
progressed 55:5
prohibits 94:3
project 40:5, 7; 41:8; 48:2
projects 254:8
promise 220:14
promote 157:13
promotes 157:25
promoting 140:16; 233:20
prompting 38:25
prone 69:6
proof 85:2
proper 66:11; 100:3; 170:20; 205:22
properly 88:1; 138:13; 175:19; 233:6
properties 143:11; 148:7
properties—sort 208:19
property 218:11
proposal 7:3; 10:9, 12; 11:2, 24; 22:2; 200:6; 238:12
proposals 194:4
propose 188:11
proposed 12:8; 24:23; 193:17; 246:23
proposing 10:14; 209:6
pros 227:21
protect 31:18

protections 30:21
protocol 143:4; 151:23;
163:9, 12; 197:20
protocols 31:6; 32:10;
163:20; 166:17; 167:9
prototype 83:18, 19
prototypical 79:10
prove 29:21; 50:15;
76:16; 78:10; 83:23;
115:23; 167:20; 168:19
proven 49:1; 50:24; 51:6
provide 13:8, 12; 14:15;
21:16; 24:6; 52:2; 76:17;
77:1; 131:3; 152:3, 9, 22;
209:8; 211:9; 221:10, 13,
14, 17; 232:10, 13
provided 23:1; 31:11;
194:7
provides 14:21; 226:6
providing 221:6
provisions 85:16
provocative 140:17
prudent 5:2
public 5:22; 80:1, 7, 9;
130:11; 249:12, 14;
251:15, 23, 25
publication 9:24; 10:1;
91:2; 180:5; 254:17
publications 8:11
publicity 179:22
published 89:5; 90:20;
135:21
pull 58:3; 201:7, 16
pulling 79:7; 166:25;
167:1; 171:8
pun 213:20
punch 230:2
Purdue 8:2; 137:19;
221:1
purely 121:2, 7; 167:10;
168:6
purity 70:12; 74:25
purpose 110:19; 167:23;
205:9
purposes 183:9; 199:2,
6, 23; 205:5, 13; 246:5
pursue 200:12
push 71:8; 92:22; 129:24
put 7:14; 13:24; 30:11;
31:25; 40:9; 42:21; 47:8;
51:15; 53:11; 59:2; 73:7;
82:2; 85:2; 87:7; 90:23;
96:3; 106:4; 110:7; 113:6;
123:4; 135:22; 137:6;
138:5; 140:6; 146:14;
147:13, 13; 152:11;
155:22; 160:3; 186:8, 13,
17; 189:9; 191:25; 204:4;
206:12; 208:12; 220:6;
236:15; 237:20; 238:8;
244:11; 245:15; 253:10
putting 8:7; 23:19; 29:6;
42:12; 48:19; 79:2;
102:15; 105:10; 112:14;
122:19; 134:11; 136:16,
20; 168:2; 173:2

pyramid 19:5

Q

Q 136:12, 25
QA/QP 33:24
QC 153:12; 200:18; 253:5
quagmire 109:12
qualification 163:20;
166:3, 10
qualified 115:25
qualitative 226:3, 12;
227:16; 234:20, 21
quality 10:21; 12:1, 17,
19; 13:23; 14:24; 16:1, 16;
18:1, 7, 8, 17; 19:8, 21, 23;
20:1, 4, 12, 17; 26:15;
28:19, 19; 36:17; 37:4;
40:24; 41:2, 24; 55:15;
60:12; 61:13; 62:9; 65:25;
67:8, 20; 74:14, 24; 80:1,
2, 10, 12, 15, 16, 17, 17,
23; 81:2; 86:1, 3, 11;
87:23; 89:25, 25; 90:3;
92:8, 16; 103:22; 104:11;
109:19; 110:5; 117:14, 21,
22; 118:4, 12, 16; 126:9;
127:17; 131:17, 19, 20, 21,
25; 140:14; 143:23; 151:8;
152:6; 155:20; 158:1;
176:6; 179:24; 181:20;
182:21; 192:17; 195:14;
206:14; 214:14, 17, 23, 24;
215:8, 9, 11, 17, 21, 24;
238:1, 3; 250:12, 14, 16,
19, 20, 23; 251:7, 10, 14,
19, 22, 24; 252:11, 17, 18;
253:6
quantify 208:10
quantitative 61:2; 226:6,
13, 18, 21; 234:19
quantities 116:15
quarter 163:1
quarters 6:16
question--I 176:16
quick 32:22; 55:18;
74:12; 120:21; 126:18
quicker 101:9
quickly 9:24; 26:5; 35:2;
38:15; 161:23; 221:25;
222:2
quite 17:23; 32:23; 37:8;
39:17; 50:9; 73:23; 92:22;
104:20; 120:14; 141:13;
142:8; 155:24; 195:5;
221:9

R

R 138:2, 2
R&D 13:23, 24; 33:1, 6;
59:10, 11, 18, 24; 94:20;
181:18; 199:5
Radiological 21:24
radius 147:19

raise 133:21; 140:17
raised 47:2; 50:6; 78:7;
97:10; 107:9; 240:10, 20;
242:13; 243:7
raises 10:15; 11:18
Raj 8:24
RAJU 6:7, 7
Raman 105:10; 114:12;
141:15; 144:7
ran 129:9; 146:18
range 142:8; 185:7;
188:1; 205:11; 212:10;
216:18
ranges 80:15; 216:7;
251:7
rapid 24:1, 5, 7; 138:16;
171:23; 224:24, 25; 225:3,
24; 226:1, 17, 21; 227:17;
228:7; 232:18; 233:13;
234:17; 236:11, 13; 237:4;
245:16
rapidly 150:2
rate 144:21; 146:23;
151:2; 169:18; 170:1;
202:13; 209:15, 20; 210:4,
8, 11, 19; 211:1, 2, 4, 15;
228:6; 251:4, 4
rates 145:23; 212:15;
214:21, 21
rather 49:16; 57:11;
108:4; 167:1; 201:3;
210:16; 218:7; 227:12;
248:20
rational 107:18
rationale 61:11
raw 15:12, 15, 17; 16:17;
36:3; 43:19, 20; 102:6, 16,
19; 103:1; 107:6, 12;
110:9; 111:10; 118:20;
202:15, 23; 214:14, 17, 23;
215:8; 218:14
reach 110:22; 201:7, 10;
205:19; 221:25
reached 214:25
reaches 118:10
reaction 105:12, 17;
106:1, 7; 144:25; 183:25;
184:6, 11, 16; 186:10
reaction--not 184:8
reactions 184:5, 8, 9
reactive 251:19, 21;
252:6; 255:16
reactor 105:11; 186:7, 9
reactors 168:3; 170:16
read 26:25; 81:13; 90:12;
228:13
read-only 31:2
reagent 224:6
real 38:19; 123:13;
133:16, 23; 164:1; 165:23;
179:6, 11; 196:20, 22;
235:7; 244:4
real-time 16:12; 28:19;
35:6, 8; 54:15; 106:15;
118:6
reality 18:24; 253:18

realization 131:12
realize 16:22; 17:7; 26:5;
207:13
realized 41:1; 129:10
realizing 131:10
really 26:18; 27:10, 14;
34:3; 35:17; 36:24; 40:23;
55:11; 56:23; 60:13; 61:4,
8, 22; 64:2, 22; 65:11;
66:14; 67:10, 12; 68:7, 11,
19; 69:13; 71:9, 12; 72:19;
73:9; 74:1; 76:22; 77:1;
84:21, 24; 88:23, 24;
90:13, 14; 97:19; 98:7;
104:6; 105:22; 107:24;
108:8; 112:18; 113:21;
115:22; 118:22; 119:14;
123:3; 124:9; 129:1, 18;
132:12, 24, 25; 133:21;
134:6; 135:8; 143:16;
144:9; 145:23; 147:14;
148:9, 12, 15; 151:15, 18;
153:6, 13; 155:7; 157:2, 4;
158:2, 17; 160:21; 164:24;
165:8; 166:25; 167:11;
168:8, 11; 169:3, 7; 170:3;
171:14; 173:24; 177:9, 11,
20; 178:10; 186:20; 193:6,
20; 194:14; 198:11;
208:22; 214:15; 218:10;
219:13, 17; 241:1; 243:25;
244:1, 22; 246:11; 250:7,
7; 252:4, 23; 256:22;
257:20
really--and 194:20
realm 112:2; 217:5
reappear 214:18
reason 32:7; 45:19;
48:18; 72:18; 117:10;
176:4; 187:25; 208:4, 5;
215:10; 221:17, 19;
251:15, 16, 16; 255:16
reasonable 54:19; 55:3;
56:4; 108:13; 195:3;
227:14
reasonably 86:15, 17;
88:10
reasons 92:12; 118:19;
143:16; 147:16; 249:15,
16, 16
rebuild 157:17
recall 55:24; 56:1, 5, 17;
57:7; 126:23; 199:25;
200:2, 3
recalls 57:16; 84:8, 10,
11, 13, 14, 18; 208:2, 2;
250:19
recap 243:15
receive 232:7
received 63:6; 250:13
recent 54:21
recently 6:1; 91:1;
163:23
receptive 232:3
recess 96:18; 171:25;
224:18
recessed 138:1

recirculation 186:13
recite 5:2
recognition 40:8; 238:4
recognize 82:9; 190:15;
211:18; 249:18
recognized 107:14;
168:23
recognizing 125:5;
244:15
recommend 22:5
recommendation 78:16
recommending 48:15
reconvene 96:16; 171:23
record 4:7; 5:13; 23:9;
25:15; 31:16; 43:16; 50:1;
52:24; 54:21; 55:1; 65:4;
70:17; 71:17, 19, 23; 75:8;
99:15, 25; 105:6, 6; 110:9;
111:4, 7, 7, 16, 17, 17;
112:15, 19; 113:5, 12;
114:23; 145:18; 194:11,
11, 22, 23; 199:12, 13, 15;
200:17, 21; 201:19; 202:5
record-keeping 49:4;
114:24; 123:17
recorded 67:5; 112:7;
113:13; 114:19; 145:17;
149:5; 200:20
records 22:22; 25:15, 16;
36:8; 52:1, 3, 6, 10, 13, 14;
63:3, 5, 13; 64:4; 65:1, 2,
10, 23; 66:10, 13; 67:12;
68:22; 69:10; 70:4, 6, 7, 9,
12, 20, 22; 71:2; 79:12;
99:21; 105:21; 113:16;
119:6; 194:3; 201:4, 22,
22, 23; 202:3
recover 41:2
recreate 45:3; 116:11;
214:22
recruited 8:8
red 146:12; 147:18
reduce 14:21; 20:2, 3, 10;
117:2; 118:8; 131:16;
232:22, 23; 253:1
Reduced 252:23
Reducing 251:23; 252:7,
21
redundancies 17:9, 15,
15
redundancy 17:18;
211:7
redundant 153:13;
211:6, 8, 14, 17; 212:2, 3;
241:20
refer 22:2; 43:16; 52:2;
104:22
reference 255:10
referred 55:8; 132:8, 10
referring 36:4; 99:6
refers 184:4
refine 208:21
refined 117:7
reflect 204:14; 245:14;
255:3

reflectance 145:11; 152:19
reflected 25:21; 129:22; 207:12
reflective 185:14
reflects 6:17; 218:24
refocus 26:23
reform 194:1
reformed 73:15; 76:1, 3; 193:24
reformulated 76:2, 3
reformulated-I 193:25
refresh 116:9
regard 7:22; 158:20; 180:13; 181:10; 221:3
regarding 98:16; 192:9; 228:24; 229:5, 20
regards 156:3; 179:18
register 72:14
registering 37:12; 99:7
regression 132:19
regroup 220:12
regular 179:20; 214:8
regulated 81:21; 90:8; 173:21
regulation 85:24; 88:14; 99:10
regulations 42:18; 63:21; 79:23; 85:3; 86:25; 87:13; 88:1; 106:23; 129:23
regulator 29:19, 20
regulators 81:11; 221:17; 225:5; 228:24
regulatory 7:10, 16; 12:13; 14:13, 14, 20, 22; 16:25; 18:7, 9; 23:24; 24:21; 36:7, 13; 38:19; 55:19; 56:20; 57:14; 62:9; 63:8, 23; 64:9; 69:13; 76:6, 20; 77:17, 24; 79:6, 16, 17; 84:22; 88:2; 95:5; 105:19; 120:23; 121:3; 122:22; 123:4; 127:15; 128:4, 6; 131:9; 133:14, 16, 24; 134:2; 140:11; 151:8, 12; 152:3, 10, 23; 161:18; 166:1, 16; 170:12; 172:16; 173:4; 176:2; 177:20; 178:21; 179:9, 12; 180:1; 182:19, 25; 195:19; 196:1, 4, 20; 197:11, 12, 22, 23; 198:6; 199:4, 6; 205:13; 206:5; 215:3, 22; 221:23; 228:20; 229:2; 239:13; 242:7; 252:8, 21; 254:21, 25
regulatory-driven 57:11
reheat 211:24
reins 121:8
reinvent 242:9; 248:16, 17
reiterating 22:4
reiterate 196:18
rejected 212:24
rejection 251:4

relate 14:24; 16:1; 36:2; 188:17
related 75:20; 77:5; 79:9; 80:7; 84:11; 91:21, 24; 94:5; 126:11; 143:25; 189:1
relating 75:1
relationship 118:16; 130:22, 25
relative 156:13; 158:18; 229:2; 230:20; 234:15
relatively 86:19, 21, 22; 88:9; 159:11; 176:5; 177:12
relax 84:24
release 23:14; 28:4; 36:14, 15, 21; 37:1; 60:12; 67:7; 111:19; 115:25; 117:17, 18; 121:6; 123:15; 127:6; 153:10, 10, 11; 164:15, 19; 192:18; 195:15; 200:9, 17, 19; 201:4; 211:11; 212:18; 240:24
releasing 33:16; 123:23; 203:12; 251:24
relevance 36:7
relevant 21:3; 23:2; 31:21; 35:5; 36:23
reliable 218:3
reliance 43:19
relief 152:23
rely 104:17; 211:9; 253:13
relying 109:23
remarks 138:3; 237:2; 248:25; 250:1
remediation 39:2, 6
Remember 50:18; 116:25; 118:13; 242:17
remind 250:4, 8
reminder 77:15, 22
reminding 187:20
remote 65:20; 224:1
removed 222:1; 256:4
removing 256:3
rep 75:21
repeat 166:4; 216:2
repeatable 213:21
repeating 225:8
repeats 164:22
repetition 220:19
replace 45:16; 46:19; 153:9; 227:17; 244:24
replacement 40:5, 10; 18; 41:3, 6; 46:15; 54:10; 95:21
replacement-this 41:5
replacing 11:8
replicate 118:10
replicates 231:15
report 91:23, 23; 140:11
reported 4:17
reporting 32:18; 60:18

reports 193:2; 201:24
represent 33:8; 158:15; 185:20; 243:18; 244:11
representation 79:12
representative 72:25; 146:15; 185:10; 186:2, 12, 16; 187:23; 189:5, 11; 192:1
representatives 25:4; 249:6
represented 41:12; 48:24
representing 180:15
represents 114:10; 155:25
reprocess 54:23; 159:14, 19, 23; 193:8
reprocessing 54:22; 55:7
reproduce 182:16; 215:12
reproducible 152:1; 187:10; 213:21
reproducibly 213:24
reputation 246:8; 251:11
requaification 166:10
requaifying 166:14
request 4:23
requested 63:18; 130:8, 9
require 112:12; 114:25; 128:7; 155:11; 173:8; 201:6, 21
required 23:8; 43:10; 85:8, 9, 12; 86:4; 90:6; 95:14; 106:5; 111:13; 114:14; 201:4; 202:4, 4; 242:15
requirement 10:23; 46:18; 57:14; 67:2; 71:15; 72:16; 76:20; 77:24; 85:18, 20; 86:2; 97:14; 99:19; 170:12; 201:19; 254:24
requirements 45:23; 46:23; 48:5; 63:8, 13, 23, 25; 65:10, 24; 69:12; 79:17; 97:19, 21; 98:11; 110:7; 123:17; 127:21; 134:25; 154:18; 159:10
requires 86:14; 87:16; 186:19, 21; 251:2, 2
requiring 95:8
research 8:10; 9:23; 14:18; 32:5; 123:4, 7; 124:22; 126:19, 21; 127:22; 128:1, 1, 7, 9; 138:5; 160:12; 173:2; 177:2; 178:9; 179:25; 197:9, 22, 25; 203:18; 234:6; 238:20, 22; 240:23; 242:6
reservation 175:3
resistance 83:11
resistivity 83:10
resolution 169:3, 20, 24;

243:2
resolve 181:4; 221:19, 21
resolved 10:5; 62:5
resource 40:16; 242:21
resources 103:16; 161:4; 180:22; 228:25
respect 4:6; 5:14; 7:3; 12:6; 172:22; 190:8; 198:10; 240:15; 243:2; 248:10
respective 65:1
respects 136:19; 157:8, 16
respond 181:15
responsibility 222:6; 245:6, 8
responsible 36:12; 75:18; 180:21; 252:16
rest 102:20; 138:6; 149:20; 188:5; 200:23; 222:15
restriction 123:5
restrictions 171:16
result 14:25; 61:1; 103:19; 176:5; 187:10; 230:7; 231:9; 232:19
results 57:15; 192:14; 193:9; 203:23, 24; 208:2
resumed 138:1
retain 62:1
retained 23:7, 15; 103:3
retaining 106:16
retention 25:15; 44:22; 198:11; 239:19
rethink 220:13
retrieve 45:4; 119:20
retrospective 40:22; 41:18; 46:13, 25
return 44:16; 227:14
reuse 43:4
revalidating 129:17
reveals 162:20
review 7:1, 14; 8:4, 13, 14; 9:11; 20:15; 31:4; 66:11; 70:21; 77:11; 154:14, 15; 156:8; 197:3; 201:19, 24; 225:15; 232:6, 11; 235:19; 245:24
reviewers 9:16; 92:2; 229:16; 238:15, 18; 246:3
reviewing 47:3, 4; 232:4
revising 164:13
revision 34:19
revolutionary 216:21
rework 212:21
rewrite 242:10
richer 57:8; 240:15
Rick 172:23; 248:11
Rick's 110:12
rid 57:24; 109:9, 11
right 12:25; 15:8; 25:3; 41:7; 46:17; 49:6; 51:16; 18; 52:11, 12; 53:2, 14, 16; 54:1, 1, 4; 56:16; 61:18;

63:2, 16; 64:16; 68:18; 69:11; 70:18; 72:1; 73:6; 74:8; 79:17; 80:19; 83:23; 93:6; 96:25; 100:1, 2; 101:21; 104:17; 107:19; 119:3; 120:14; 126:13; 152:9; 153:2; 159:17; 169:6; 191:13, 18; 193:10; 195:14, 16, 23; 196:19, 24; 202:22; 204:10; 205:7; 207:20; 216:12, 16; 223:24; 229:1; 246:12; 251:18; 252:25
rises 241:14; 242:23
risk 12:13; 17:10; 19:11, 21, 21, 25; 20:2, 10; 28:8; 37:16; 38:2, 3, 3, 5; 42:8; 47:2, 4, 8, 12, 13; 51:4; 58:8, 12, 15, 20; 59:2, 2; 73:10; 77:13, 25; 78:1, 8, 14; 80:18, 19; 81:16, 16, 18; 85:7; 87:21; 88:7; 89:23; 90:15, 16, 17, 18; 91:20; 92:5, 10, 17; 94:5, 10, 12, 13, 13, 17, 18; 108:15, 16, 20, 22; 115:4; 122:16, 18, 20; 127:15; 158:4, 5; 199:25; 236:22; 251:24; 252:8, 21
risk-based 13:12; 14:20, 20; 18:4; 26:14; 29:24; 48:4; 58:9; 73:17; 77:6; 195:1; 199:22; 252:10, 19
risk-management 19:12
risk-taking 225:13
risks 59:3
Ritchie 136:2, 5; 137:19, 19; 221:1, 1
road 174:4; 181:6; 253:8, 8
Rob 10:2
robust 50:24; 54:5; 64:2; 67:10; 143:8, 10; 157:25; 245:1
robustness 122:12; 231:6
Rockville 6:14; 229:16
Roger 81:15
role 14:7; 222:6
rolling 174:10
rollouts 41:11
Ron 140:2; 181:17
Ron's 155:21
Room 4:24; 5:19, 23; 6:14, 15; 8:20; 87:5, 7; 109:13, 16
rooms 138:18, 20
root 208:1, 11; 241:5
roughly 140:18; 180:15
round 165:1, 1; 171:9; 247:14
route 154:10, 12
routine 117:8; 127:5; 142:24; 153:11; 180:18; 181:20; 182:7, 11, 20; 185:11, 13; 194:19; 215:5, 23; 242:19

routinely 42:23
routines 120:13
RSD 118:10
rubber 174:4
RUDD 74:12, 18, 23;
75:11; 116:23; 125:19;
212:25; 216:22; 247:8
rule 52:19; 74:6; 78:15;
79:13; 108:2; 111:13, 22;
112:13; 114:6; 194:12;
199:8
rules 43:17; 52:3, 20;
86:24; 119:1; 244:7
run 60:23; 127:4; 159:8;
174:13; 213:17; 231:14
running 92:15; 121:2, 11;
126:3; 165:11; 231:12;
245:21
runs 103:17; 165:7

S

S 138:2
safe 11:18, 21; 14:16;
66:6; 86:15, 17, 19, 21, 23;
87:10; 88:9, 10; 123:8;
124:8; 128:2; 160:12;
170:24; 171:1; 173:1;
178:9; 197:9; 204:7, 21;
233:16, 22; 237:12;
238:21, 23
safety 20:20; 21:5; 81:17;
87:4, 15; 93:2; 154:18;
158:1
sales 50:23
salient 214:17; 219:14
salt 144:19; 183:4, 9
same 9:20; 11:3, 5; 14:18;
16:14, 24; 17:24; 18:16,
17; 21:10; 44:13; 54:23;
56:14; 73:8; 76:13; 89:7,
16; 91:7; 93:1; 110:19;
114:6; 122:2, 22; 136:19,
23; 138:14; 142:12; 146:5,
5, 9, 20, 23; 148:24; 153:4;
159:25; 177:6, 11; 183:17;
187:16; 190:12, 25;
191:13, 21; 193:9; 197:3;
199:11; 200:6; 203:8;
205:11; 207:8; 217:11, 12;
219:5, 7; 256:20
sample 106:2; 170:14;
185:10, 18; 186:13, 16;
187:23; 226:23; 228:5
sampled 37:25
samples 113:9, 13;
167:25; 168:20; 188:12;
189:6
sampling 10:12, 25;
11:6, 19; 113:14; 176:5
San 9:13; 140:8, 22, 23;
151:16, 22; 172:13;
180:20
San's 203:3; 208:16
sanction 117:14
sanctioning 74:23;

117:9
sat 65:6
Sathyanarayana 140:10
satisfaction 179:8;
252:14
satisfactorily 46:14
satisfied 230:2
satisfying 46:23
save 112:11, 12, 18;
115:2; 212:23
saved 200:16, 22
saving 198:15
saw 136:14; 203:3; 241:5,
17
saying 20:6; 31:22; 38:8,
8; 49:10; 50:3; 60:1, 5;
70:24; 71:4; 79:3; 109:21;
113:1, 3; 119:15, 18, 19;
126:5; 173:24, 25; 174:1,
7; 176:17; 177:7; 188:1;
191:25; 208:20; 215:19;
216:6; 234:2; 250:16
saying--Bob 119:19
scale 48:7, 7; 61:7; 80:13,
23; 141:24; 145:19; 146:9,
20, 25; 147:4, 12, 15, 22;
152:13, 15; 155:10, 10;
163:23; 186:7; 192:13;
203:9, 9; 209:7, 13;
210:17; 213:12; 214:5, 7
scale-up 141:11; 190:21;
213:9
scaled 150:14, 17
scales 40:3; 152:14;
187:12; 191:14, 20
scaling 183:10
scan 31:10
scanning 227:6
scare 76:18
scattering 223:17
scenario 12:5; 15:21;
78:14; 213:1, 2; 232:1;
235:14
schedule 31:14; 81:17
schematic 144:24
scheme 10:12; 13:20;
209:7
schizophrenia 221:4
science 11:15; 18:4;
62:20; 81:8; 107:18;
151:15, 18; 153:14;
162:11; 164:9; 170:3, 18;
174:20; 202:11; 235:7;
244:14; 247:20; 253:20;
255:5
science--practice 254:3
science-based 13:9
sciences 151:12
scientific 14:13; 108:7,
13; 168:10, 19; 192:11;
193:7; 229:15; 235:6;
248:2; 251:16
scientifically 177:12
scientists 238:4
scope 14:8

scratch 162:22
screen 119:7
screened 4:14
scrutiny 76:13
se 231:5
second 7:24; 66:16;
81:12; 117:10; 127:24;
135:4; 145:22; 178:8;
179:12; 185:15; 188:15,
21; 205:9; 211:8, 13;
212:1, 4; 240:10; 250:11,
18; 254:19
secondary 39:12
secondly 30:24
seconds 186:1
secret 93:2
secrets 93:1
section 81:15; 85:16, 25
sections 64:7
security 29:13; 30:9;
46:10; 50:1; 156:14
seed 144:18; 146:7;
210:14
seeing 185:13; 210:5;
220:18; 226:25; 252:25
seek 21:17, 18
seeking 7:12; 128:12;
231:25
seem 111:15; 174:24
seems 71:22; 115:16;
149:14; 172:8, 15; 202:9;
206:13
sees 35:21; 149:4; 208:8;
215:16
segments 180:15
seize 150:3
selection 41:7
selectivity 184:3, 20
self-diagnostics 224:3
sell 76:15; 174:4
selling 76:21; 81:13
send 21:25; 99:12, 22;
100:10; 220:1; 236:25;
237:14; 243:14
sending 166:18
sense 10:10; 14:13, 13;
16:25; 19:19; 20:8; 25:8;
26:22; 45:19; 48:3; 50:14;
88:11; 112:14; 113:3;
128:5; 132:24; 156:14;
158:17; 180:12; 187:8;
199:4, 5; 200:5, 11, 14;
201:21; 202:3; 204:9;
210:16; 218:1, 2; 222:5;
225:24; 226:2; 234:9, 11;
238:10, 13; 243:17;
250:13; 252:1; 254:1;
255:14, 18; 256:10
sensitivity 234:25
sensitized 179:21
sensor 112:22; 113:2;
120:7; 125:2; 128:25;
168:20
sensors 101:23; 162:2;
168:2, 11; 169:11; 223:25

sent 78:5; 96:4; 151:19;
248:11
separate 29:18; 90:1, 1;
121:25; 127:5; 138:20;
202:22; 234:20
September 92:20
series 40:13; 133:9;
134:24; 229:19
serious 165:21; 222:4
seriously 64:21
serve 24:20; 110:19
server 30:17
services 132:6
session 130:6; 224:20
sessions 257:15
set 9:18; 20:22, 22; 21:4,
8; 37:6; 57:9; 59:23; 81:22;
91:10; 106:2, 4; 110:23;
129:6; 134:20; 171:19;
178:3; 188:22; 194:23, 24;
201:13; 216:24; 217:18;
247:19; 249:21
sets 18:24; 59:25
setting 17:21; 252:17
settle 190:5
seven 40:1; 43:1; 228:13
seven-site 40:4
several 12:24; 21:20, 22;
39:20; 58:12; 77:8; 89:3;
97:15; 186:1; 242:14;
249:5
Sevick 96:22
SEVICK-MURACA
96:22; 119:9; 121:12;
123:20; 195:11, 18, 24;
203:21
SHABUSHNIG 57:1;
58:6; 60:8; 107:3; 108:25;
124:25
shadow 25:11; 258:1
shake 55:17; 189:18
shall 65:1; 66:17; 160:13
shape 71:9; 219:9
share 6:19; 7:13; 10:16;
11:20; 14:10; 16:19;
17:13; 19:20; 36:11; 95:2;
130:13, 19; 178:25;
229:25; 233:18
shared 6:24; 7:6; 11:6;
39:21; 138:18; 211:21;
255:23
shear 149:4, 8, 13, 15, 24
shear-exposed 149:18
sheer 42:13
shelf 34:23; 200:5
shift 147:24; 201:1; 210:6
shiny 146:13
shop 157:3
short 63:10; 64:6; 68:17;
194:8; 216:1
short-term 256:7, 8
shortages 251:14
shorter 44:23; 62:1;
106:17, 17

shot 203:15
show 9:23; 34:14; 50:3;
55:3; 64:8; 83:25; 88:18;
109:8; 144:15; 145:15;
146:4, 24; 181:21; 182:15;
187:9, 14; 191:19; 215:23;
226:3
showed 87:25; 150:21;
186:23; 203:6; 211:23
showed--all 179:3
showing 54:25; 60:24;
71:24; 138:22; 141:14;
203:5
shown 32:1; 173:21
shows 84:9; 147:18;
148:15; 153:18; 244:4;
245:9
shut 138:19
sic 233:5
side 55:6; 137:6, 7; 141:6;
142:10; 143:24; 155:5, 5;
156:25; 165:4; 184:9;
192:24; 197:3; 221:7;
222:4; 239:25; 253:7
side--it 172:15
sieves 189:24
sieving 190:10
sigma 130:15, 17;
131:13; 132:3, 10; 133:2,
4, 8; 134:1, 12; 135:22;
206:22; 250:20, 21, 24;
251:1, 3; 252:9, 14
sign 72:25; 83:22
signal 213:15, 19, 20;
214:16; 217:6, 7; 223:15
signals 197:7; 223:20
signature 33:23; 65:13;
67:22; 72:9, 11, 24; 98:19,
23; 99:1, 2, 15; 208:16;
213:12; 214:2; 215:12
signatures 52:16; 64:24,
25; 65:2; 66:17, 19, 22, 24;
67:5; 68:24; 70:6, 7, 20;
72:20, 23; 74:14; 98:17,
18; 99:9, 13, 14, 25; 100:1;
240:12, 13; 241:4; 244:16
significant 41:12; 43:13;
94:17; 98:21; 101:17;
107:7; 122:18
signs 65:25
silent 231:21
similar 87:24; 136:15;
182:6; 183:5; 185:4;
216:19; 223:16; 236:7;
240:20
similarly 198:10
Simmons 9:10
simple 135:25; 144:17,
22; 170:15; 219:23; 253:8
simplest 76:7
simplistic 86:14; 116:20;
189:4
simply 11:8; 104:22;
204:8; 222:4
simulate 202:18
simulation 202:20; 203:1

<p>single 114:4, 10; 136:11; 137:14; 184:16</p> <p>Single-point 136:25</p> <p>s 21:23</p> <p>s 3; 227:18</p> <p>site 66:3; 89:4; 135:18, 19, 24; 136:1; 152:13, 15; 237:7</p> <p>sites 39:12, 22, 22, 24; 40:2; 46:9, 10; 146:19; 152:14</p> <p>sitting 5:19; 109:15</p> <p>situation 39:18; 40:21; 55:13; 105:8; 109:18; 122:2; 126:16; 138:13; 197:4; 203:19</p> <p>six 17:16; 43:1; 82:18; 130:15, 16; 131:13; 132:3, 10; 133:2, 3, 7; 134:1, 12; 135:22; 165:11; 206:22; 220:11; 225:20; 228:13; 250:20, 21, 23; 251:3; 252:9, 14</p> <p>size 16:7; 48:2; 86:25; 141:10, 21; 143:20; 144:12; 145:10; 146:2, 10; 147:17; 148:13, 22; 149:2, 6; 150:8; 151:1; 152:7, 8, 12, 22; 153:4, 10, 11, 17, 18, 23, 24; 155:1, 2; 159:22; 162:25; 183:16; 185:7, 18; 186:18, 20; 188:24, 25; 189:21; 190:9, 11; 191:8, 17; 202:14; 203:1; 209:5, 5; 210:4, 6; 212:17; 224:5; 228:5; 241:19; 251:8</p> <p>sizes 150:15; 188:2</p> <p>skilled 156:15</p> <p>skills 180:23</p> <p>skip 160:13, 16; 161:23</p> <p>slacken 121:8</p> <p>slam-dunk 59:19</p> <p>slamming 160:24</p> <p>sleeping 243:11</p> <p>slide 87:24; 99:7; 147:1, 2; 151:21; 156:5; 183:24</p> <p>slides 27:2; 84:7; 90:21; 96:14; 135:20; 191:20; 226:3</p> <p>slightly 38:22; 216:14</p> <p>slippery 109:2</p> <p>slope 109:2</p> <p>slow 161:5; 171:6; 230:20</p> <p>slowed 164:12</p> <p>slurry 145:13; 189:16</p> <p>small 50:10; 59:23; 106:3; 147:12; 164:23; 166:5; 176:5; 211:24; 212:18; 250:18</p> <p>smaller 6:14; 51:4; 5; 148:21; 181:2</p> <p>smart 224:1</p> <p>smarter 83:2</p> <p>Smith 228:10</p> <p>smoke 119:7</p>	<p>snapshots 201:3</p> <p>SNDA 154:12; 155:4</p> <p>so-called 213:17; 230:2, 15</p> <p>software 21:20; 22:7; 32:8, 15; 43:11; 44:25; 55:10; 75:19, 19, 20; 76:6; 79:16, 22; 80:2, 3, 6, 10; 81:2, 4, 14, 15, 19, 24, 25; 82:1, 3, 10, 15, 17, 22, 25; 83:4, 7, 8, 14, 17; 84:2, 8, 10, 12, 13, 14, 19, 25; 85:1, 4, 10, 13, 18, 22, 24; 86:5, 7, 9, 10, 12, 16; 87:11, 12, 16, 19; 89:5, 8, 13, 13, 14; 90:3, 8, 14, 24; 91:3, 6, 14, 19, 21, 24; 92:5, 7, 8, 11, 12; 93:2, 4, 9, 21, 23, 25; 94:3; 95:7, 11, 14, 15, 19; 103:12; 104:16; 115:10; 120:11, 17, 20; 129:4, 6, 9, 13, 15; 161:24; 162:14, 22; 163:2, 19; 164:24; 165:5, 7, 12, 13, 15; 166:3, 5, 11; 167:6, 8; 176:19; 198:12; 239:11; 242:10; 248:4, 6, 7</p> <p>software—most 84:18</p> <p>solid 27:22; 143:11; 151:17</p> <p>solubility 183:18, 19</p> <p>soluble 72:12</p> <p>solution 40:10; 45:12, 14; 47:22, 22; 49:22; 183:19; 210:2</p> <p>solutions 23:24</p> <p>solve 22:23; 73:2; 81:23; 99:20; 158:25; 179:11; 196:10</p> <p>solved 55:11; 179:7</p> <p>solvent 143:2</p> <p>solving 81:10</p> <p>somebody 12:15; 76:15; 93:13; 242:18; 253:9</p> <p>somehow 55:11; 99:3; 101:18; 109:12; 154:22; 170:7</p> <p>someone 56:15; 65:25; 92:14; 99:3; 108:18; 166:6, 7; 183:11; 245:5</p> <p>sometime 243:13</p> <p>sometimes 10:15; 50:9; 98:7; 163:21; 166:10; 227:3; 229:13</p> <p>somewhat 99:18</p> <p>somewhere 157:12; 232:13; 234:18; 245:10</p> <p>sonic 102:4</p> <p>soon 41:1; 108:22; 220:16; 256:10</p> <p>sooner 101:6</p> <p>SOP 110:21, 23</p> <p>sophisticated 17:12; 19:11</p> <p>Sorry 27:6; 70:6; 74:19; 138:21; 215:25; 220:4; 237:2</p>	<p>sort 6:23; 7:8; 8:7, 13; 11:2, 22; 13:19; 14:15; 15:4, 6; 16:19; 17:13; 19:20, 24; 21:15; 22:11, 18; 23:3, 16, 23; 24:10; 25:22, 23; 26:23; 34:11; 43:17; 45:10; 48:4; 50:8, 16; 53:15; 90:18; 99:15; 101:20; 102:22; 104:21, 24; 113:6, 8; 125:4; 127:21; 128:2, 16, 19; 138:13, 18, 19; 158:7; 159:6; 164:8; 169:6; 172:8, 18; 176:9, 10; 178:14, 19, 23; 185:1, 5, 12, 15; 187:18, 22; 188:20; 190:16; 196:18; 198:5, 8, 16, 24; 199:7, 19; 200:3, 12, 23; 204:20; 205:5; 208:15; 210:24; 211:7, 17, 18; 212:1, 11; 217:17, 25; 218:21; 219:13, 15, 17; 220:13; 231:7; 232:16; 233:17; 234:6; 235:13; 236:4, 5, 8, 14; 237:22; 240:5, 21; 247:1; 248:3, 19; 250:10, 11, 12, 17; 253:15; 255:2; 256:24; 257:1, 5</p> <p>sorts 156:9; 168:4</p> <p>sound 50:13; 194:6; 223:18; 235:22</p> <p>sounds 67:1</p> <p>source 32:12; 240:5</p> <p>space 193:20</p> <p>spacing 219:3</p> <p>spacings 219:1</p> <p>speak 26:8; 37:20; 38:19; 59:16; 255:21</p> <p>speaker 121:16</p> <p>speakers 25:19; 181:13</p> <p>speaking 106:19; 129:21; 197:6</p> <p>spec 37:13</p> <p>special 4:2, 13, 20; 51:2; 86:7</p> <p>specific 21:13; 64:7; 85:4; 86:6; 88:13; 89:21; 91:18; 109:5; 110:16; 114:17; 120:24; 136:8, 9; 148:14; 172:21; 181:10, 25; 216:14; 232:14; 238:19; 249:21</p> <p>specifically 85:17, 19, 24; 135:23</p> <p>specification 35:21; 117:19; 162:14; 208:2, 19; 215:20</p> <p>specifications 17:21; 20:22, 23; 21:4, 8; 37:13; 66:2; 174:18; 188:22, 22, 23; 235:3; 252:13</p> <p>specified 135:1; 167:5; 215:25</p> <p>specter 118:10</p> <p>spectra 136:25; 137:4, 5</p> <p>spectral 33:18</p>	<p>spectroscopic 102:4</p> <p>spectroscopists 198:14</p> <p>spectrum 213:14, 15</p> <p>speed 74:7; 216:9</p> <p>spells 61:22</p> <p>spend 15:4; 83:19, 22; 88:12, 22; 120:18; 129:16; 147:7</p> <p>spending 49:15; 101:14; 253:2</p> <p>spinning 253:3</p> <p>spirit 179:23; 180:25; 240:17</p> <p>spite 109:19</p> <p>split 171:21</p> <p>spoke 225:7</p> <p>sponsors 4:12</p> <p>spot 48:19</p> <p>spreadsheet 95:8, 10</p> <p>springs 198:8</p> <p>square 147:19; 247:13</p> <p>Squibb 23:19; 140:6, 25; 155:20; 160:7; 180:14</p> <p>st 91:1</p> <p>Stability 155:6, 8</p> <p>staff 40:3, 18; 76:14; 245:24</p> <p>stage 20:19; 100:23; 142:24; 145:22; 146:5, 7; 167:12; 179:3; 187:6, 11; 192:8; 241:10</p> <p>stages 16:18; 146:6; 170:24; 209:23; 225:25</p> <p>stamps 156:7, 20</p> <p>Stand 27:3, 4, 4; 107:11; 258:3</p> <p>stand-alone 28:12</p> <p>standard 37:6; 42:18; 53:8; 91:3, 9, 13, 14, 14; 126:14; 169:18; 170:6; 198:21; 210:9; 251:3; 254:23</p> <p>standards 40:24; 41:2, 20; 51:10; 87:25; 89:17, 17, 18, 18, 22; 105:2; 124:24; 168:12, 22, 23; 169:7; 190:16; 248:12; 249:8, 12, 14, 24</p> <p>standpoint 58:10; 105:17; 156:18; 159:5; 195:3</p> <p>standpoint—I 158:4</p> <p>stands 141:21; 147:19</p> <p>Stanley 130:8</p> <p>start 17:20; 20:16; 21:7; 23:10; 33:13; 36:14, 25; 37:23; 44:14; 52:6; 96:19; 97:3; 120:7; 135:3; 137:16; 140:2; 156:2; 168:2; 170:15; 175:17; 182:20; 186:13; 188:14, 21; 190:12; 199:18; 210:5; 220:13; 224:1, 2; 225:22; 234:2; 236:10; 237:9; 254:9</p>	<p>started 14:19; 40:21; 92:20; 138:11; 140:1; 144:20; 172:2, 3; 173:17; 238:21</p> <p>starting 6:2; 112:14; 116:18; 204:2; 230:22; 236:17; 255:6</p> <p>starts 8:5; 15:15; 159:18; 199:16</p> <p>statamarix.com/fda 135:18</p> <p>state 78:6, 6; 143:11; 185:9; 250:15</p> <p>stated 125:14</p> <p>statement 4:22; 35:17; 99:20; 102:23; 107:5; 161:7; 232:17; 243:4; 247:7</p> <p>States 85:11; 169:16</p> <p>static 147:12</p> <p>statistical 35:7, 25; 37:1, 17; 38:1, 11; 59:14; 94:16; 115:20, 24; 206:24</p> <p>statistically 37:25; 228:1; 244:25</p> <p>statistician 78:6</p> <p>statistics 37:1; 176:5</p> <p>stay 69:13</p> <p>steady 45:21</p> <p>steering 8:16, 23</p> <p>step 19:2; 20:9; 47:15; 84:5, 6; 103:16; 104:3, 10; 107:7; 111:17; 125:10; 134:21; 146:18; 218:5; 224:11; 232:8; 236:8</p> <p>steps 52:24; 53:5, 10, 12, 17; 54:6, 25; 60:15; 111:18, 23; 194:22; 256:9</p> <p>sterility 110:1, 3; 226:5; 227:17, 23; 234:18, 21</p> <p>Steve 6:8; 11:6, 14; 23:22; 101:22; 105:8; 119:15; 125:20; 127:10, 20; 160:8; 171:18; 172:22; 177:17; 185:3, 5; 189:6; 193:17; 211:23; 255:4</p> <p>Steve's 173:12; 211:20; 219:10</p> <p>Steve—then 176:17</p> <p>stick 187:2</p> <p>sticking 189:4</p> <p>sticky 121:2, 11</p> <p>still 9:6; 10:4, 24; 11:1; 43:9; 44:24; 45:23; 56:6; 70:1, 16; 99:3, 24; 101:3; 115:8; 117:15; 124:16; 125:6, 12; 135:1; 204:7; 220:23; 223:2; 234:5; 242:5, 6</p> <p>stimuli 232:9</p> <p>stop 31:5; 35:1; 36:22; 38:8; 75:25; 117:25; 161:6; 174:9; 256:1</p> <p>stopped 63:8; 93:24</p> <p>storage 28:2; 29:2; 44:1, 3; 74:22; 75:10; 114:9;</p>
--	--	--	---	--

115:5; 193:20; 200:4; 239:19
store 31:9; 44:16; 110:23; 118:20; 202:15, 23; 224:10, 12; 239:23
stored 43:23
storing 194:5
story 150:10; 174:21; 187:13
straight 51:1; 186:8
straightforward 144:17
strategies 17:11
strategy 19:12; 29:10, 11, 17; 36:13; 46:2; 61:11
stratified 10:12, 25; 11:5
stream 75:9; 201:9
streams 200:15
strength 241:14
stress 147:14; 148:1, 19, 20; 253:1
stretched 252:3
strict 50:14
strictly 107:20; 172:6
stride 46:15
stringently 20:23
stronger 213:2
structure 122:22; 134:17; 169:22
structures 198:23
struggle 157:18
struggling 43:8; 45:11; 49:23; 82:11, 11; 195:6
stuck 170:4
studied 152:13
studies 23:12, 17; 190:20
study 23:20; 121:24; 219:11
study-I 141:18
stuff 79:21; 89:21; 90:16; 92:3, 17; 96:3; 108:18; 112:9; 157:5, 22; 158:12; 164:1; 210:2; 222:21
stumbling 181:6
subcommittee 7:5, 7, 24; 12:23; 13:1, 5, 5, 7, 14, 15, 21; 14:1; 97:3; 126:24; 245:13; 249:5; 257:2
subcommittees 13:17; 14:6
subject-that 69:18
subjected 147:23
subjective 190:14; 254:7, 14
submission 11:9; 90:6; 151:13; 152:11; 154:5; 156:1; 159:5
submissions 23:21; 84:23; 138:17; 140:2, 4; 152:3
submit 154:5, 16; 162:19
submitted 10:10; 78:3; 90:6; 106:2
submitting 4:22
subsequent 141:24

substance 141:6, 9, 12; 142:10, 12, 17, 23; 143:6, 12, 19; 144:3, 11, 18; 181:24; 183:8; 216:11
substances 216:11
substitute 151:15
successes 25:6
successful 8:6; 13:17; 14:5; 25:11; 133:22; 215:14; 257:21
successfully 8:8
suddenly 120:12
suffer 161:17
suffice 155:9
sufficient 68:13; 97:25; 104:9; 146:15
suggest 33:11; 244:13
suggested 63:18; 189:7
suggestion 68:23; 158:13; 202:8; 235:18
suitability 127:13, 25; 128:20
suitable 128:10; 207:15; 215:1
suited 59:16
sulfate 144:19
sulfuric 144:20; 145:3, 23; 146:23; 151:2
summaries 224:20
summarize 167:2; 178:7; 250:10
summarized 7:8; 127:24; 238:20
summary 7:6; 43:18; 45:18; 150:6, 10; 181:8; 200:19; 219:16; 224:20, 23, 25; 237:19, 21; 241:25
summer 78:2; 82:18, 21
sunset 13:5, 18; 14:3; 257:14, 15
sunsetting 12:23
SUPAC 19:22; 20:5; 21:13; 47:8
superposes 147:2
supervisor 35:23
supplement 20:7
supplemental 154:12; 155:8
suppliers 42:21; 168:23
support 13:13; 55:25; 57:16, 16; 107:19; 115:10; 206:7
supporting 39:22; 50:19; 52:8; 54:7; 55:2; 57:7; 140:16
supports 52:9
Suppose 113:7; 124:5; 211:16
supposed 98:22; 137:1; 146:4; 157:9, 9
sure 30:4; 48:21; 60:21; 75:22; 77:8, 18; 90:12; 97:18; 101:16; 103:21; 104:8; 107:1; 109:2; 142:11; 154:19; 156:16;

158:24; 167:23; 173:3; 174:17; 177:13; 178:10; 182:10, 17; 185:12; 197:15; 198:16; 205:10; 207:3; 209:9; 211:10, 24; 212:5; 219:18; 221:25; 225:9; 230:1; 238:15; 239:19; 243:5; 255:11
surely 115:19
surface 227:7
surfaces 149:25
surgical 94:8
surprise 90:9
surprisingly 42:18
surrogate 252:15, 19
suspect 109:10
suspension 185:23
SW 91:4, 12
SW68 91:4
switch 75:5
synthesis 143:24
system 12:17; 17:10; 19:3; 26:12; 28:16, 25; 29:3, 18; 30:1, 2, 10, 15, 20; 31:9, 10, 24, 25; 32:11, 18; 33:2; 35:3, 5; 36:6; 39:16, 19, 19, 21; 41:1, 3, 7, 10, 17; 43:25; 46:11; 47:17; 48:11; 49:11; 51:6; 52:1; 53:1; 54:2, 3, 9, 13, 15; 64:2, 3, 23; 65:9; 66:19; 67:11; 69:5, 9, 16; 70:1; 71:2; 82:2, 13, 19, 22, 25; 86:3; 87:23; 89:15, 16; 90:4; 92:15, 16; 96:8; 97:1; 114:7; 119:16; 120:14; 121:7, 10; 134:21, 22, 24; 135:1, 2; 138:19; 163:5, 10; 164:16; 167:3, 8; 169:5; 170:2, 13, 14; 171:4; 177:23; 185:23; 187:21; 191:10; 194:17; 201:7, 10, 13, 13; 206:12; 207:7; 211:6, 8, 14, 17, 18; 212:2, 3, 8, 9; 219:1; 227:9; 234:15; 240:13; 251:6, 9; 252:3; 254:10, 11
systematic 188:7
systematically 256:6
systems 17:8, 17, 21; 19:17, 18; 20:2, 13; 22:21; 25:1; 26:1; 27:19; 28:3, 7, 10; 29:9; 31:7; 32:20; 37:24; 39:14, 15; 40:1, 19; 41:23; 42:1, 7, 14; 44:1, 13, 20, 25; 45:7, 12, 16; 46:8, 9; 49:5, 13; 52:14; 53:6; 54:10, 16; 63:16, 24; 70:25; 76:12; 77:3; 80:4, 5, 5; 83:18; 84:3; 86:1, 11; 89:25; 90:1; 92:8; 97:13; 103:10, 12, 15, 23; 119:3; 120:6; 129:11; 134:13; 157:20; 158:7, 19; 170:21; 226:18, 19; 247:6; 253:12
systems-based 188:7

T

T 138:2
table 8:18; 24:15; 50:15; 58:13; 113:7; 115:12; 141:14; 215:19; 222:12
tablet 36:17; 37:24; 102:14; 115:21; 117:21, 22; 213:6, 13; 215:21
tablets 10:4; 11:16, 17; 215:18
tacit 242:25
tack 38:23
tackling 195:9
tacky 236:3
tactic 76:19
talents 180:24
talk 15:10; 25:14; 26:18; 27:16, 18; 29:1; 39:5; 63:19; 79:4, 15; 88:16; 101:23; 108:13; 132:15; 134:22, 23; 135:5, 6; 136:16; 142:9; 151:7; 155:23; 157:1; 160:5, 13, 15, 17, 21; 161:16, 25; 167:17; 168:24; 172:14; 184:19; 187:19; 192:13; 216:10; 219:10; 227:12; 229:6; 231:17; 235:5
talked 6:25; 7:1, 4; 10:18; 12:23; 42:7; 64:24; 91:15; 93:13; 110:12; 117:6; 155:23; 156:21; 157:5; 159:9; 166:4; 172:23, 25; 173:1; 216:25, 25; 224:4; 228:14; 230:24; 231:23; 236:1, 11; 239:18; 240:9; 241:24
talking 27:20; 28:6; 30:7, 8; 37:8, 9; 40:25; 44:21; 47:12; 54:2; 58:8; 59:9, 10; 60:18; 64:18; 68:4; 101:8; 102:20; 103:10; 104:4; 108:15; 117:20; 131:12; 133:13, 14; 136:20; 158:2; 214:12; 222:21; 223:17; 238:13
talks 37:3; 131:23; 134:21
tangible 154:4
tank 75:10; 186:8; 190:21; 191:5, 23
tankers 75:5
tanks 74:22; 190:21
target 46:1, 1
targeting 185:6
taught 81:8; 131:6
teach 92:23, 25
team 7:1, 15, 19; 8:4, 8, 9, 14, 24; 9:5, 8, 12, 18, 19, 21; 140:6; 155:22; 178:17, 20, 22; 185:3; 197:2; 221:22; 242:7; 249:21; 250:4, 7, 9; 256:6
teams 8:15; 238:14

technical 38:24; 91:23; 172:10, 14; 180:9; 228:19; 230:3; 232:17
technically 235:21
technique 102:8, 8; 145:11; 146:3, 21; 149:5; 189:10, 24
techniques 164:6; 190:1; 210:21; 211:23; 223:25; 238:5
Technologies 6:6; 63:2; 100:19; 103:14; 114:18; 121:18; 122:11, 23; 123:2; 133:15; 161:10; 163:24, 25; 190:17; 204:3; 217:4; 222:25; 223:8, 10, 12; 225:12; 230:8; 244:18, 19; 249:23
technology 6:20; 16:11; 24:19; 41:18; 42:13; 44:10, 19; 45:6; 63:22; 74:2; 114:21; 115:7; 116:21; 121:13, 21; 122:4; 123:21, 22, 24; 124:12; 125:23; 126:4, 15; 140:9; 152:20, 20; 154:9, 11, 20, 20, 21; 155:15; 157:13; 162:25; 163:22; 178:21; 179:25; 193:20; 196:9; 204:11; 228:24; 230:8; 234:23; 244:17; 245:1; 249:9, 14
telling 217:11
tells 90:15; 153:5; 170:10
temperature 175:21, 24
temporary 165:17
ten 34:19, 20; 44:1; 45:13; 82:20; 93:8; 113:9, 13; 130:9; 169:1; 175:24; 244:8; 255:25
tend 43:3; 150:2; 163:15; 188:22
tending 217:18
tends 30:22; 149:19; 255:16
Tennessee 8:2
tenured 246:10
term 14:17; 123:6; 193:13; 214:2
terminology 247:3, 4
terms 9:23; 12:19, 20; 17:7; 18:5; 23:9; 29:12; 31:5, 17; 37:4; 49:22; 51:22; 52:25; 54:14; 56:22; 57:7; 58:22; 72:8; 73:11; 74:23; 76:7; 79:20; 80:22; 103:3, 13; 104:13; 112:10, 14; 113:12; 114:18; 116:5; 119:11, 23; 123:7, 18; 124:20; 132:1; 137:2; 151:18; 160:23; 167:5; 185:16, 22; 186:2, 14, 24; 9:5, 8, 12, 18, 19, 21; 140:6; 155:22; 178:17, 20, 22; 185:3; 197:2; 221:22; 242:7; 249:21; 250:4, 7, 9; 256:6
terrible 244:22

test 11:5; 12:2; 29:15; 75:5, 7; 87:6; 109:22; 110:1; 118:2; 144:5; 153:10, 11, 11; 167:22; 169:4, 16, 25; 185:18; 186:4; 211:11; 226:21; 227:17; 17; 228:4, 4; 231:12; 241:21
testing 16:18; 24:7; 29:13, 22; 110:3; 117:12; 131:19; 162:2; 166:12; 169:6; 224:25; 225:17; 226:5, 12, 13, 18; 227:13, 23; 231:11, 17; 234:18, 19, 20, 21; 240:6; 244:25
tests 161:25; 167:17, 24; 168:4, 6; 170:19; 171:17; 226:8; 239:1; 240:24
Texas 96:23
textbook 81:14, 17
textbooks 81:12
thankful 23:19
Thanks 75:11; 125:19; 155:18
theme 129:21; 172:9; 213:4
theoretical 149:12
theoretically 186:22
theory 253:24; 254:3
therapy 85:22
there—l 159:16
thereby 20:3
therefore 18:22; 71:19; 104:1; 107:11, 23; 117:13; 141:8; 142:18; 143:17, 23; 150:22; 155:9; 195:18; 205:17, 18; 210:14
thermal 102:5
thermodynamics 183:20
thermometer 86:22
thick 163:16, 17
think—a 249:15
think-tank 228:14
thinking 17:7, 20; 20:2; 21:7; 23:10; 40:22; 61:4; 70:7; 104:21; 109:24; 114:8; 130:4; 149:13; 180:23; 182:25; 186:21; 192:25; 200:4; 217:22, 25; 218:14, 25; 220:9; 252:11
third 85:25; 92:5
thirty 44:21; 47:17, 19; 158:9
this—and 173:24
Thomas 62:7, 8, 8; 69:7; 70:3, 10, 18; 71:5; 72:1, 17; 73:3, 20; 74:8, 17, 19; 75:3, 12
Thomson 140:13; 193:1
thoroughly 129:2
though 73:5; 105:22; 110:2, 16; 125:22; 163:12; 177:7; 243:15

thought 17:4; 48:24; 55:6; 68:7, 8; 89:19; 138:23; 171:2; 193:16; 205:4; 219:18; 220:7; 239:20; 247:9; 248:4
thoughts 6:19; 10:17; 93:25; 97:4; 112:3; 130:13; 230:6; 233:12, 18; 236:7; 247:3; 248:15; 255:2
thousand 113:11
thousands 46:8
three 6:22; 7:20; 13:2; 20:4; 27:24; 28:10; 31:25; 54:10; 64:7, 20; 68:16; 85:6; 86:6, 10; 87:17, 22; 88:6, 24; 91:11; 115:12; 138:8; 150:14; 163:17; 165:20; 175:1; 189:9; 226:10, 14; 237:23; 242:1; 243:25; 256:22; 257:7, 15
three-letter 244:2
three-level 103:11
through—hardware 162:6
throughout 38:15; 172:9; 180:2; 217:14
throw 108:3; 114:14; 175:25
thumbprint 68:6
tick 168:9; 170:10
tie 208:18; 240:7
tied 180:17; 201:2
time—the 185:10
time-wise 101:2
timed 148:18
times 14:17; 21:6; 131:24; 138:8; 184:9; 222:7; 228:3; 242:14; 253:5
tip 146:13, 14
TIR 91:22; 92:4, 5
title 93:7; 141:8
today 7:12; 8:18; 9:1; 15:20; 17:2, 12; 20:5, 23; 21:17; 22:23; 24:23; 42:21; 61:20; 63:3; 76:5; 79:15; 91:16; 94:24; 100:8; 131:22; 134:16; 157:6; 190:11; 203:6; 224:11, 12; 237:22; 238:20; 239:9, 18; 241:17; 250:13; 253:7
today's 4:8, 21; 55:13; 100:20; 124:24
toffee 121:2, 11
together 7:15; 8:7; 15:3; 17:22; 23:20; 58:14; 88:8; 89:10; 90:23; 102:15; 124:13; 134:11; 135:22; 140:6; 150:2; 152:11; 155:22; 156:24; 178:22; 180:18, 19; 220:9; 236:15; 237:20; 245:15; 255:1; 257:17
told 77:17; 206:18
Tom 6:5; 25:20; 110:25

tomb 41:7
took 106:1; 129:8; 137:4, 4; 144:7; 146:18; 147:11; 167:6, 10
tool 36:10; 124:23
tools 28:7; 47:8, 10; 81:22; 83:3; 132:16; 133:5, 6, 9; 135:22; 239:3
top 28:23; 39:7; 48:6; 59:3, 4; 93:8; 144:9; 169:18; 170:1; 223:24
topic 12:22; 14:9; 22:13, 16; 101:5; 241:23
topics 4:8, 16; 5:1; 238:20
TOPPER 4:4
total 12:17; 28:17; 29:17
totally 162:11; 200:7
touch 25:7; 39:7; 49:11; 198:9
tough 246:9
toward 15:9; 229:3; 234:6
towards 16:4, 5, 15; 17:10; 20:1; 73:12; 157:24; 199:18; 214:10; 220:13
TQM 134:15
trace 148:9; 206:3
traceable 167:25; 170:8
traced 146:24
traces 213:11
tracing 114:1, 10
tracings 113:23; 114:8, 14, 14
track 147:5
tracking 102:17
tracks 170:1
trade 93:2
tradition 244:14
traditional 10:24, 25; 66:21, 23; 81:4, 19; 217:18; 223:1
Traditionally 31:7; 83:24; 84:5; 207:24
trail 30:6, 9; 31:12; 35:13; 43:22, 24; 50:2, 3, 6, 15; 156:19
trails 34:24; 52:2; 63:25; 156:7
trained 67:20; 88:2; 92:15; 156:15; 237:8, 15; 249:22
training 7:22, 23; 8:3, 4; 9:9; 59:25; 81:4, 19; 88:5; 92:14, 21, 23; 93:5; 131:3; 133:4; 176:20; 196:24, 25; 197:1; 236:11, 13, 15; 238:13, 14; 257:25
training—it 253:15
transcribe 71:10
transcription 71:11
transfer 31:6; 32:8, 9, 14; 232:18
transferred 65:3
transforming 255:13

transient 31:15, 17; 191:6
transition 242:20
transmission 224:2
transmitted 18:14; 238:17
transparencies 130:20
tray 147:13
treat 203:11
treatment 59:14; 122:1
trend 206:3; 254:1
trending 35:20; 118:21
trends 201:24; 240:3
trial 78:9, 20
trials 204:24
tried 53:2; 68:5, 6; 102:23; 117:17; 130:21; 138:13; 178:7; 209:3
triple 95:25
trivial 59:20
trophy 79:2
trouble 57:22; 64:16; 83:4; 88:19; 120:22
troublesome 202:7
True 50:18; 58:21; 177:23; 235:7
truly 17:2; 65:7
trusting 76:12
try 32:22; 43:4; 73:15; 76:25; 83:2, 5; 88:15; 149:10; 158:12; 160:3; 170:7, 10; 181:4; 189:7; 210:8; 246:16; 255:17; 257:18
trying 6:18; 11:20; 20:14; 29:21; 31:19; 52:12; 53:24; 72:11; 79:11; 92:1, 21; 93:4, 9; 95:10; 119:15; 122:4; 124:11; 131:18; 133:4; 140:16; 152:9; 154:8; 158:18; 177:21; 191:7, 8; 194:9; 197:13; 221:24; 222:11; 242:22; 253:3; 254:4
tumble 147:23
turn 105:16; 113:2; 213:24
tweaking 182:23
twenty 81:7; 118:8; 194:17
two 20:6; 23:18; 27:9, 20; 28:16; 33:21; 40:17; 53:14; 54:10; 55:16; 68:1; 75:22; 84:7; 85:15; 86:9; 87:21; 89:9; 111:12; 112:23; 115:12; 117:2; 118:14; 121:13; 127:14; 128:22; 132:7; 134:7; 137:21; 138:20; 143:16; 165:20; 167:11; 174:23; 185:1, 8; 187:1; 188:11; 196:21; 203:7, 12; 205:4; 208:5; 211:9; 217:10; 226:1; 227:1; 248:3; 252:12, 13
two-hour 93:7

tying 124:13
type 7:9; 40:5; 41:10; 48:2; 55:6; 60:5; 73:11; 98:24; 102:13; 117:20; 122:22; 123:4; 129:17; 142:4; 148:23; 149:8; 156:16; 168:12; 173:11; 194:19; 237:16
types 71:12; 101:23; 142:13; 147:21; 150:21; 156:1, 12; 159:15; 182:5; 193:3
typical 30:10; 35:17; 48:2; 57:22; 213:11
typically 28:12; 32:3; 53:14; 137:7

U

U.K 39:11; 257:9
U.S 91:9; 180:17; 257:8, 11
U.S.A 163:18
ultimate 45:14; 176:11; 202:17, 21; 239:1; 240:6
ultimately 37:16; 135:14; 242:22
umbrella 98:24; 158:24
uncertainties 225:5
unclear 229:2
uncover 207:6
uncovered 41:16
Under 12:5, 16; 15:21; 85:5, 15, 25; 92:16; 95:23; 106:13; 128:2; 135:5, 7; 147:25; 152:1; 153:3; 154:14; 195:9; 196:11; 201:23; 202:1; 213:17; 231:15; 234:24; 238:25
Under-communicating 255:24
undergo 164:20
underlies 241:8
underlying 195:4; 216:23
underpinnings 108:7
understandable 217:16
understood 178:5
undertaking 235:14; 249:17
undetected 206:17
undiscovered 50:17
undoubtedly 198:13
unexplained 208:12
unfortunately 8:20; 68:7, 20; 200:2; 220:15
uniform 144:14; 153:17; 205:10
uniformity 7:2; 10:7, 9; 11:24; 12:4, 16; 113:8, 24; 114:4; 117:23; 118:5; 121:15; 122:19; 190:23; 201:2
unique 39:17; 198:19, 25; 199:1

United 85:11
units 216:16
univariate 10:18; 201:3; 240:11, 12
universities 81:6
University 7:25; 8:2, 2
unknown 255:12
unless 65:9; 85:9; 135:7; 221:17; 228:22
Unlike 4:9
unmanned 65:15; 66:3
unpredictable 142:22
unreliable 244:25
unusual 247:7
up 9:18; 19:5; 20:17; 25:8; 27:3, 4, 5, 9, 24; 29:6; 30:11; 31:9, 11, 24, 25; 35:10, 11, 16, 20; 47:8; 48:7; 60:4; 64:7; 65:9; 66:5; 67:2, 19; 71:13, 16, 25; 72:17; 74:7; 77:10; 78:8; 87:8, 25; 88:8; 91:11, 18; 98:4; 101:2; 105:8; 107:12, 13, 17; 109:10, 12; 110:23; 115:3; 116:15; 117:22; 120:4, 25; 124:22; 128:21; 133:15; 137:1; 138:9, 22; 141:24; 146:7; 147:15; 150:3, 14, 17; 151:8; 162:12; 168:15; 169:13; 173:22; 174:17; 176:19; 178:12; 182:18; 183:10; 187:15; 194:17; 208:4; 213:24; 221:12; 223:15; 228:12; 240:8; 242:14; 243:3, 6, 8; 245:10; 247:22; 249:21
Upadrashta 140:10; 151:11; 203:3
upcoming 8:12; 257:9
update 12:22; 21:15; 116:8; 167:14
updating 120:19; 164:13
upgrade 44:12, 25; 84:18
upon 5:17; 25:7; 80:2, 10, 11, 18; 115:3; 181:3
upper 28:25
Uppoor 8:24
UPS 169:16
urgency 255:14, 18
us-I 250:4
usage 83:1
use 11:14; 12:18; 14:17; 17:16; 19:22; 23:22; 24:7; 26:19; 28:24; 31:8; 32:10; 33:15; 35:25; 36:20; 44:17; 51:4; 55:20; 64:3; 66:18; 68:6; 69:9; 70:4, 5; 76:8; 79:9; 83:3, 6; 88:5; 90:8, 14, 16; 94:3, 6; 95:8, 15, 16, 17, 19; 96:6, 9, 12; 99:4, 9, 13; 100:25; 105:16; 110:4, 18; 111:5; 112:13, 22; 114:3; 117:8; 118:22; 121:22; 124:23; 125:5; 132:18, 19; 133:9; 141:7, 10, 20, 24; 142:6;

144:18; 146:12, 20; 148:17; 150:12, 25; 157:13; 166:13; 167:18, 24; 169:19; 170:5; 176:10; 182:7, 18; 189:24, 24, 25, 25; 190:20, 24; 201:12, 12; 202:9, 12; 204:3, 18, 23; 207:2, 15; 212:15; 214:4; 221:9; 227:13, 16; 232:19; 233:7; 234:9, 22; 239:7; 243:20; 245:18; 247:21; 248:9
used 15:22; 18:9; 27:7; 51:6; 52:8; 63:23; 66:19; 83:17; 87:17; 94:22; 95:22; 99:3; 105:22; 110:14; 121:23; 122:8; 123:23; 130:21; 132:22; 133:7, 19; 134:16; 136:24; 141:17; 145:4, 6; 164:18; 170:6; 171:7; 172:5; 190:3; 200:9; 218:25; 226:8; 234:17; 247:4
useful 32:15; 93:21
user 100:3
users 68:11
uses 240:1
using 11:11; 16:23; 23:17; 32:7, 25; 33:18, 18; 34:2; 37:1, 23; 47:17, 19; 58:15; 59:24; 65:22; 66:16; 75:25; 76:18; 79:5, 6; 82:22; 94:5, 15; 99:17, 21; 103:15; 113:24; 114:4; 123:7, 15; 132:23; 133:19, 20; 134:16; 146:3; 147:18, 20; 148:8; 149:9; 150:4, 11, 12, 21; 151:3; 154:19; 158:8; 164:5; 169:4, 6, 17; 182:20; 183:4, 16; 184:5, 10; 189:23; 201:3; 213:6; 214:3; 244:15
USP 62:17; 162:2; 167:21; 168:6, 12; 169:5, 25; 170:5; 171:17; 172:4; 225:11; 227:19; 228:13; 230:19, 22, 25; 231:17; 232:9; 233:4, 5, 8; 235:24
usual 142:14, 20
usually 143:9; 147:16; 182:3; 183:8
utilize 133:4, 5; 157:24
utilized 15:19; 137:12; 195:12
UV 137:3

V

valid 78:10, 12; 188:14; 232:18
validatable 50:13
validate 33:17; 40:1; 42:10, 14; 47:6; 85:18, 20; 86:9, 11; 94:11; 95:9, 11, 15, 19; 96:8; 128:10; 129:8; 132:12; 153:15; 155:15; 235:17

validated 32:14; 33:16; 34:14; 85:23; 86:4, 5; 93:22, 25; 96:5, 7; 123:22; 152:1; 175:2; 192:11; 233:6
validating 123:24; 136:13; 140:24; 188:19; 217:1
validation 21:20; 22:8; 26:1, 12; 27:21; 29:5, 14, 16; 33:4, 18; 38:20; 39:8, 20; 40:22; 41:19; 42:2, 3, 7; 45:18, 20, 22; 46:13; 47:14, 24; 51:7, 8, 13; 68:8; 75:19; 79:22, 23; 82:13; 85:17, 17; 89:5, 9; 91:6; 92:5, 7; 93:23; 95:14; 96:4; 97:2; 104:1, 5, 16; 124:10; 125:8; 126:1, 7, 12; 127:21; 128:6, 7, 19; 129:25; 135:6, 13; 152:18; 153:15, 19; 154:25; 155:14; 156:22, 24, 24; 160:19, 22; 161:4, 24; 162:16; 163:5, 9; 164:2, 21; 166:8; 167:9, 15; 170:20; 171:10; 174:15, 16; 175:1, 4, 7, 14; 176:11; 182:14; 188:9, 9, 12, 16, 20; 197:25; 207:25; 212:11; 225:6; 227:12; 230:15, 24; 231:1; 247:1, 10, 19; 248:5, 6, 7, 10, 12; 254:22
valuable 129:24; 256:23
value 102:19; 185:16; 223:3
values 43:20; 59:21
vapor 170:7
variability 204:19; 206:23, 24; 218:14; 234:4
variable 211:20; 214:23; 215:8; 226:23
variables 36:18; 240:12; 254:14
variances 240:22, 25
variation 206:14, 16; 208:8, 9; 209:19; 224:5
variations 203:14; 212:7
varied 65:5; 142:8; 190:25
varies 49:9
varieties 169:1
variety 143:11; 169:8
various 170:23; 244:5
vary 49:9; 163:13; 187:8; 212:11; 215:7; 219:6
varying 149:22; 192:4; 227:21
vast 116:15
vat 192:14
vehicle 231:24
vendor 77:1; 129:13; 145:10; 162:19; 242:12, 12
vendors 50:7, 10, 19; 51:10, 15; 74:7, 9; 76:12,

14, 18; 162:9; 164:23; 168:15; 171:15; 242:9, 19
verification 40:15, 16
verified 132:11
verify 95:24; 132:12; 154:22
versa 219:8
versed 237:15
version 43:3; 84:14, 15, 16; 129:15; 131:5; 162:21; 165:10, 10; 166:9
versions 84:19; 165:5
versus 70:7; 106:18; 148:19, 24; 202:23; 229:14
vessel 186:18, 20, 24; 187:3, 9, 22; 189:5, 12; 191:1; 192:1; 211:23
vested 48:16
Veterinary 7:17; 9:17
via 30:14; 84:16; 153:25
viable 17:2
Vice 219:8
victory 256:10, 11
view 107:23; 171:5; 180:11; 181:2, 2, 19; 191:3; 206:5
viewed 177:14
viewed-it 177:14
viewing 180:11
viewpoint 140:11; 235:22
views 220:18
violation 69:15; 76:24; 78:14, 14
violations 77:11
visible 234:4
vision 228:14; 255:22, 23, 24; 256:3
visit 135:18; 136:1
Visualize 134:19, 19
voice 197:6
volume 29:1; 54:14, 17; 83:11
volumes 54:12; 226:23
vote 228:23
voucher 83:21

W

Wait 72:2; 253:18
waiting 9:6; 40:10; 221:10; 254:15
waiver 4:19, 22
walk 174:7
wall 72:4
wand 47:21
wants 47:6; 57:23; 76:15; 157:21; 161:18; 173:24
warehouse 35:14
warning 63:6; 69:14; 73:8; 77:16, 18
warranted 51:20; 57:20

warts 240:21
washed 143:22
washing 153:22
Washington 8:1
watching 56:15; 113:25
water 124:16; 142:7; 150:1; 170:7
water-the 142:6
Watts 8:25
wave 169:16; 223:14
waves 223:18
wavy 213:13
way 18:3; 20:13; 29:6, 15; 34:11; 36:12; 40:17; 46:15; 54:23; 56:18, 21, 22; 60:20, 24; 61:3; 64:13; 66:6; 67:7; 68:5; 71:10; 74:5; 78:8; 83:5, 6; 84:2; 87:18; 88:6, 12; 94:12, 13; 98:20; 99:10; 100:1, 16; 104:10, 20; 106:8; 116:11; 123:3, 7, 19; 136:8; 144:14; 149:4; 153:19; 154:7; 158:25; 162:10; 164:8; 165:18; 167:12; 170:25; 171:9; 172:17; 173:7; 174:3; 175:22; 180:22; 181:4; 183:15; 188:7, 7, 18; 189:22; 190:5; 194:9; 200:3; 203:10; 206:11, 21; 210:6, 14, 20; 213:8; 218:23; 221:23; 238:2; 240:15; 244:17; 253:10; 254:5
ways 40:14; 83:3; 94:22; 104:15; 149:9; 168:16; 185:3; 190:9; 202:6; 217:18; 236:16; 256:19
wear 82:1
wears 82:3
web 89:4; 135:18, 19
web-based 10:1
week 129:8, 16; 166:14; 167:7
week's 166:12
weeks 7:20; 73:23
weight 177:4
welcome 6:9, 13; 34:18
well-accepted 242:4
well-advised 239:24
well-defined 84:5
well-founded 242:4
Wellcome 39:11; 48:23
Wells 38:10
weren't 39:17; 41:1; 74:7; 109:9; 191:2
wet 142:1
what's 96:6
whatsoever 180:13
wheel 22:4; 242:9; 248:16, 21
wheels 253:3
whenever 121:17
Whereupon 137:25; 258:5

whole 17:22; 29:11;
72:10; 73:7; 80:19; 90:10;
95:17; 99:11, 16; 105:16;
106:7, 14; 109:11; 198:22;
5; 240:13; 241:14;
242:19; 258:1
whose 5:17
wide 143:11; 169:8
widely 51:5; 226:8
wider 56:10; 227:8
widths 219:6
willing 50:11
win 133:22
Windows 30:8
WINGATE 38:17; 47:18,
24; 48:16, 21; 49:6; 50:18,
22; 51:8, 16, 24; 52:11, 20;
53:2, 14, 17; 54:1; 55:21;
56:16; 61:16, 19, 25; 74:5
Wingate's 158:9
winner 240:6
wish 5:17; 75:25; 87:4;
122:10; 235:20
withhold 78:17
within 15:23; 22:23, 25;
32:10, 11; 40:2; 41:6;
48:23; 73:22; 95:5;
106:21; 131:6; 163:7;
177:20; 179:24; 180:17;
181:14; 187:9; 209:9;
213:3; 235:1; 239:13;
240:7; 245:5; 246:7
without 51:11; 58:21;
90:3; 94:16; 148:19;
181:1; 238:2; 239:11
womb 41:7
won 250:9
wonder 95:1; 119:5;
172:21
wonderful 23:18; 161:7;
178:17
wondering 61:10; 69:24;
72:18; 203:4
word 50:14; 75:25;
174:10; 180:6; 227:13
wording 93:15
wording—etc 201:25
words 22:15; 24:16; 31:8;
57:5; 60:19; 88:13; 140:5;
229:4; 231:8, 18; 249:2;
255:12
work 16:25; 18:12; 24:14,
22; 25:3; 36:24; 37:5;
46:25; 62:12; 73:15;
75:16, 17; 83:5, 25; 84:1;
88:20; 91:1; 103:14;
118:1; 154:15; 166:12;
168:16, 20; 171:15;
173:11; 174:25; 178:23;
179:21; 183:5, 8, 12;
187:21; 192:3; 194:16;
5; 209:24; 210:24;
211:20; 213:5; 214:10;
215:4; 234:6; 248:8; 250:5
workable 62:3
worked 155:21; 157:16;

203:7; 211:10
working 23:10; 24:8;
33:14; 40:14; 59:23;
60:25; 77:23; 88:23;
90:22; 91:10, 11, 21;
92:19; 93:5; 167:20;
180:19; 186:11; 189:17;
199:18, 20; 204:16;
206:13; 220:13; 236:15;
250:6, 7; 256:6
works 158:11; 179:16;
229:13
workshop 93:23
workshops 257:7
world 11:20; 37:14; 53:3;
55:1; 90:10; 156:23;
158:17; 165:13; 180:3;
201:20; 236:5, 5, 9, 12
worldwide 91:14
worried 119:21
worth 102:20; 119:2;
166:12
wound 88:13
wrapped 158:23; 248:1
wrappers 51:17
write 31:2; 95:17; 96:11;
162:21, 22; 163:2; 166:6,
21; 232:9; 245:25
writing 63:21; 91:22;
93:13; 161:11; 165:12;
175:12
written 4:23; 77:10, 15;
81:14; 87:13; 88:1; 92:4, 6;
129:6; 201:20, 20; 246:1
wrong 98:2; 109:20;
212:17
wrote 220:24
Wu 9:3

X

X 37:13; 145:20
XML 198:23

Y

Y 80:23; 145:21
YB 80:13
year 21:9; 77:9; 174:17
years 34:20; 41:11;
42:24; 43:1, 1, 1; 44:21;
45:13; 47:17, 19; 54:10;
74:1; 80:21; 81:7, 8; 82:23;
89:11; 90:25; 105:7;
116:18; 117:22; 119:20;
130:25; 133:1; 158:9;
165:17, 20; 176:7; 194:17;
198:13, 15; 202:24;
228:13; 242:18; 245:20
yesterday 208:4
yield 153:17; 201:14;
230:11; 231:13
Yuan-yuan 8:21; 204:12
Yugo 80:14

Z

zones 67:14

Lawyer's Notes
