

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
WASHINGTON, D.C. 20234

PROVISIONAL CERTIFICATE OF ANALYSIS
STANDARD SAMPLE 1016
PORTLAND CEMENT

	<u>Percent</u>
SiO ₂ -----	21.0 ₅
Al ₂ O ₃ -----	4.97
Fe ₂ O ₃ -----	3.71
TiO ₂ -----	0.34
P ₂ O ₅ -----	.13
CaO (+ SrO) -----	65.2 ₆
SrO -----	0.25
MgO -----	.42
SO ₃ -----	2.27
Mn ₂ O ₃ -----	0.04
Na ₂ O -----	.55
K ₂ O -----	.04
Li ₂ O -----	(.012)
Rb ₂ O -----	*(N.D.)
Loss on Ignition -----	1.20

Values in parentheses are not certified but are given as added information.

* N.D. = not detected, but less than 0.001%

A. A. Bates, Chief
Building Research Division

Washington, D. C.
Revised Certificate, April 24, 1964
Original Certificate January 17, 1962

USCOMM-NBS-DC