			TH AND HUMAN S ADMINISTRATION	ERVICES		
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555 Winderley Maitland, FL	Place, Suite 200 32751			03/06/2006 FEINUMBER	- 04/18/	2006*
(407) 475-470	0 Fax: (407) 475-4768	3 .	· · · · · · · · · · · · · · · · · · ·	3003194604	· · · · · · · · · · · · · · · · · · ·	
	P. Rice, Chief Execut:	ive Offic	cer & Direct	or		
Andrx Pharmac	euticals, Inc.		4955 Orange	Dr		
city, state, zip code, count Fort Lauderda	le, FL 33314-3902		Pharmaceuti	PECTED cal Manufact	urer	
This document lists of observations, and do observation, or have it	bservations made by the FDA repr not represent a final Agency deterr implemented, or plan to implement	mination regar t, corrective a	ding your compliant tion in response to	nce. If you have an o an observation, you	objection rega may discuss	rding an the objection or
	representative(s) during the inspect tact FDA at the phone number and			FDA at the address	above. If you	i have any
DURING AN INSPEC	TION OF YOUR FIRM WE OBSER	RVED:				•
				•		
QUALITY SYSTE	EM	•				<u>.</u> 1
			.v			
OBSERVATION	1			* *		
The quality control investigate errors the	unit lacks authority to review part have occurred.	production re	cords to assure the	hat no errors have	occurred an	d fully
Specifically,	1	· .				
result, it released at 520F0368, 520E01	ntrol Unit failed to adequately r nd distributed between March a 8, F520F0840, F520F1030, and ity and was not adequately valid	and July 2003 d F520F1031	six batches of K	Letoprofen ER cap	sules (lot #'s	: 520E017,
documented, and tr	ntrol Unit failed to ensure that I ended after they were removed			ions were adequate in September 2005		
logbook.				•		
				· · · · · ·	•	. · · · ·
PROPICTION I	ADODATODY AND FOUR	DAMERNITE (IF A.	OH ITHEO OVOT	PEMO		
PRODUCTION, I	LABORATORY AND EQUIP	PIVILIN 1/FA	CILITIES SYST	LEWIS	·	
						•
OBSERVATION	2					
	are not established which valid sing variability in the character					may be
Specifically,					:	
On 2/25/05, the QC	CU approved Doc. No. 0002PV	05 titled "Pr	ocess Validation	Protocol- Manufa	cture of Kete	profen
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		DEPARTMENT OF HEAL FOOD AND DRU	TH AND HUMAN S G ADMINISTRATION	SERVICES	
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Fort Lauderda	le, FL 3	3314-3902	Pharmaceuti	cal Manufacturer	
to evaluate the accuracy of scale reading versus reading for the sustained release coating process as the difference in the readings was identified as the cause for the shift in dissolution performance at the 8 th hr. Five (5) commercial batches of (520E017, 520E018, 52050, 55797 and 57043) were manufactured under this validation protocol, which resulted in three batches (52050, 55797 & 520E018, sublot#4) that failed dissolution specifications at the 8 th hr. and a batch (57043) that deviated from the target capsule fill weight specified in the manufacturing batch record in order to meet dissolution specification at the 8 th hr. The remaining six (6) finished product batches (520E017, 520F0368, 520E018, F520F0840, F520F1030, and F520F1031) of Ketoprofen ER Capsules that had acceptable dissolution results were released by the Quality Control Unit and distributed between March and July 2005 despite the demonstrated variability and significant inconsistencies of the manufacturing process documented in interim reports 002PV05-01i, 002PV05-02i, 0002PV05-03i, and the final validation report 0002PV05 approved on 7/28/05.					
OBSERVATION :	3				
The use of instrume	ents and appar	ratus not meeting established	specifications wa	s observed.	
Specifically,					
Specifically,					
a) In December 2005, the Quality Control Unit (QCU) determined the need to replace the flow rate valves of apparatuses as a result of frequent clogging, flow rate problems, and increased bubble formation that randomly caused "erratic" dissolution results. Valves were purchased and received in January 2006; however, the QCU failed to adequately monitor the implementation of this corrective action and, as a result, the valves were not installed and the use of these dissolution baths with potentially malfunctioning valves continued for dissolution testing of all Cartia, Diltia, Taztia, Metformin, Naproxen Sodium, and Ketoprofen drug products.					
b) Subsequent to the determination of performance problems with the dissolution apparatuses, the Metrology Department, responsible for laboratory equipment maintenance and calibration, conducted an investigation (date not documented & investigation not tracked) to determine the root cause of the problems in the dissolution apparatuses. The investigation concluded that "due to a blockage on the pores caused by crystal deposits (salts interference), air bubbles may form cause false readings in the middle of the run that do not represent a true absorbance reading of the sample" and recommended more frequent maintenance schedules to prevent flow valve problems. However, the QCU reported that the problem had been fixed in January 2006 with the replacement of the valves (that didn't take place) and failed to implement the recommended corrective and preventive/maintenance actions in a timely manner.					
The set-up procedures used for the apparatuses are not adequate in that according to dissolution records reviewed from May 2005 thru March 2006 and interviews with analysts, the flow rate of the "blank" line is checked prior to each dissolution run to determine if the flow valve is working properly (flow rate specification). However, your firm lacked scientific evidence to demonstrate that an adequate flow rate of the blank is directly correlated to an adequate flow rate to all dissolution vessels in order to conclude that the flow valve is working properly and the flow to each vessel is within specifications prior to the run.					
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
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FIRM NAME	STREET ADDRESS				
Andrx Pharmaceuticals, Inc.	4955 Orange Dr				
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED				
Fort Lauderdale, FL 33314-3902	Pharmaceutical Manufacturer				

OBSERVATION 4

There is a failure to thoroughly review any unexplained discrepancy and the failure of a batch or any of its components to meet any of its specifications whether or not the batch has been thoroughly distributed.

Specifically, your firm failed to perform adequate investigations with scientifically justifiable conclusions to incidents of outof-specification results or production deviations and/or failed to implement appropriate corrective actions for the root cause determination. The deficiencies are evidenced in the following:

Laboratory Phase II Investigations:

- (a) The investigation report TWR #1691 for finished product testing of Metformin HCl Extended-release Tablets, 500 mg Lot No. F571F0692 was specifically for content uniformity testing. During analytical testing, one of the ten capsules (73.5%) failed to meet the Stage 1 established specification of of label claim and another tablet was toward the low end of the specification range (88.0%). The root cause analysis indicated analyst error and two additional capsules were extracted with the results replacing the original OOS capsules. The investigation revealed that the analyst observed a gelatin like mass of material at the bottom of one of the flasks and a piece of undisssolved gel at the bottom of the other flask after adding diluting solvent A. As a result, these two flasks were stirred for an additional 60 minutes which is longer than the procedure or the eight other flasks. The analyst who performed the QC method transfer stressed the importance of full tablet disintegration before adding diluting solvent A or the material will clump. The firm concluded that based on the physical observation of the two stock solutions in question proper active extraction did not take place. The investigation is inadequate in that:
- The analysts were retrained on the analytical method itself but there was no documented training regarding continuing the analysis knowing that he or she made an extraction error or that there was a problem with the disintegration of these two capsules during the analysis.
- The investigation did not address the reason why these two capsules did not dissolve adequately. The analyst's interview did not determine if the capsules were taking longer than normal to disintegrate before adding diluting solvent A, or if the capsules took longer to dissolve because he/she added diluting solvent A without making sure the capsules had disintegrated. The first scenario (the capsules taking longer than normal to disintegrate) would not indicate analyst error, but a possible process related error that would have required the investigation to be extended outside of the laboratory e.g. investigation of the process and historical data to determine root cause.
- (b) The investigation report TWR #1540 for finished product testing of Metformin HCl Extended-release (XT) Tablets, 1000 mg Lot No. F575F0620 Sublot C was specifically for related compounds testing. The unknown related compound in this sample was OOS. With-in specification results were obtained upon retest of the sample and the firm concluded that the OOS result was due to contaminated glassware. In an attachment to this investigation, the firm states, "As part of GLP, all analysts normally rinse flasks before using for RC test. Both analysts are very experienced chemists and did that during sample preparation. In spite of that all glassware was rinsed by mobile phase before sample preparation there was still some contamination from glassware or from sample handling. As a corrective action, the analysts recommended to flasks with additionally and to rinse by mobile phase before using them for Metformin XT RC test." This statement indicates that there is no definitive assignable cause for the OOS result since they state that the contamination could have come from glassware or sample handling. The investigation does not explain how glassware contamination or sample

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FIRM NAME	" Culei Executive Oil	STREET ADDRESS	or		
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Fort Lauderdale, FL	33314-3902		cal Manufacturer	· · · · · · · · · · · · · · · · · · ·	
handling may have increased the unknown related compound for this sample. If in fact the contamination was due to sample handling then the proposed corrective action of additional glassware cleaning would not be appropriate. In this case, the investigation indicated that the current glassware cleaning procedure may not be adequate for this particular product but does not explain why. The corrective action does not address training for all analysts on the required glassware procedure nor does it state if this will be incorporated into the analytical procedure for this product. Furthermore, the investigation was inconclusive and the results were invalidated without extending the investigation into the manufacturing area. c) The investigation report TWR #1484 for finished product testing of Diltiazem HCl Once-A-Day Extended-Release Capsules, 240 mg Lot No. F599F0577 was specifically for related compounds and impurities testing. The levels of two unknown impurities were not typical for this product. For impurities testing, the analysts are instructed to rinse glassware before use as part of their CGLP training. In this instance, the investigation states that the analyst omitted to rinse the glassware. Therefore, a new dilution from the original stock solution was made with the impurity levels dropping to below a detectable level upon reanalysis. The corrective action for this investigation as stated in the TWR report was the counseling of the analyst in regard to glassware rinsing. According to the attached training record, the analyst was re-trained on the analytical test method STM #599, "Diltiazem HCl Once-A-Day Extended-release Capsule, 240 mg". This test method does not address the rinsing of glassware for related compounds and impurities testing. There was no documented evidence of re-training the analyst on the proper procedure for glassware cleaning. (d) The investigation report TWR #1523 was for the assay of save the save properly mixed. Furthermore, in an attached memorandum to the TWR, the analyst invo					
	WR #1617 was for the assay of	raw	material Lot No. 11325 Th	is lot along with	
(f) The investigation report TWR #1617 was for the assay of three other lots was tested for impurities by with Lot 11325 failing to meet the specification of not more than for impurity. The assignable cause was determined to be equipment failure (bad injection of the sample most likely due to an air bubble). During the investigation, the laboratory reviewed the online logbook which did not indicate any equipment problems or malfunctions. The laboratory also reviewed the chromatograms as part of the investigation and determined that this lot had a different baseline than the other three lots. However, there is no description of how the baseline was different and how that would impact on the results. Furthermore, the firm did not inject properly and there was no corrective action implemented for the system. Therefore, there is no scientific justification for invalidating the OOS results. The other three lots tested concurrently were not re-injected. Though is not a currently marketed product, the laboratory practices shown in this investigation were inadequate. This is a repeat observation from the previous FDA					
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DEPARTMENT OF HEAI FOOD AND DRU	TH AND HUMAN S	SERVICES
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555 Winderley Place, Suite 200		03/06/2006 - 04/18/2006*
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Fort Lauderdale, FL 33314-3902	Pharmaceuti	cal Manufacturer
483, #19(B)(1).		
Phase II Investigations related to Equipment Cleaning:		
g) SOP QC-0135, "Evaluation of Extraneous Peaks During the criteria to determine when an unknown peak in a cleaning		

g) SOP QC-0135, "Evaluation of Extraneous Peaks During the Analysis of Cleaning Validation Swab Samples", establishes the criteria to determine when an unknown peak in a cleaning swab should be investigated. According to the SOP, if any individual unknown peak is not more than of the target analyte peak or if the sum of the unknown peaks per swab location is not more than of the maximum allowable residue limit of the target analyte, no further action is required. A Technical Services Supervisor said that their rationale for the limits stated in their SOP is based on a Consultant's article. The article indicates that "it might be appropriate to allow an unknown peak provided it is no more than 5-10% of the height or area of the target residue (the active, for example) at it residue limit" and that "Some companies will then have an additional stipulation that the sum of all peak heights or areas of unknown peaks be no more than 20-40% of the height or area of the target residue at its limit." However, the article also states that "In this case, it is expected that an investigation has been done to identify the unknown peak, and that it still remains unknown." The article also indicates that the amount of the unknown peak cannot be accurately determined unless a detector such as

SOP QC-0135 allows unknown peaks at percentages even higher than the ones recommended by the Consultant on a routine basis without first making a reasonable attempt at identifying the extraneous peaks. The firm manufactures a wide variety of products with different toxicities and allowable residue levels, and even uses the same equipment used for commercial manufacture to manufacture products that are still under development. Applying the limits stated in SOP QC-0135 without first investigating the source of the unknown could result in allowing higher levels of residue than would normally be allowed had the identity of the extraneous peak been known. In addition, since the absorptivity of the unknown peak is not known and the actual amount of residue cannot be determined with the detectors used by the firm, the actual amount of

- h) At least 24 cleaning swab samples containing extraneous peaks above the limits specified in SOP QC-0135 were reported for ten different pieces of equipment from May of 2005 through February of 2006. The inspection disclosed the following deficiencies regarding the investigations conducted for these unknown peaks:
 - (1) TWRs 1374, 1580, 1591, 1594, 1744, 1868, 1895, 1896, and 1964 are all related to unknown peaks in swab samples and were investigated under TWR 1555. The conclusion of TWR 1555 states that "Based on indirect evidence, the sponge, a general purpose scour pad of cellulose and nylon fiber material composition is the probable cause of the unknown peak". This conclusion was reached for all swab samples involved in these TWRs even when the firm's experiments failed to demonstrate that the peak was the same in all cases and that the source of the peak was the same. The firm conducted experiments only with the swab samples involved in TWRs 1744, 1868, and 1896. None of the experiments demonstrated that the source of the peak was the sponge itself. Although the unknown peak found in swab samples from TWR 1744 was also found in the sponge, the source was apparently an oily residue picked up with the sponge when it was used to clean the equipment involved in the TWR. Nevertheless, the only corrective action performed was removal of the sponges from the manufacturing area. An e-mail attached to TWR 1555 stated: "At this time, we are addressing only the sponges as they build up the contaminants." The firm conducted their product impact assessment based on their conclusion that the unknown peak was from a by-product of the sponge and released all lots involved because all material used in the manufacture of the sponges is food grade.

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residue could be even higher than the amount estimated by using the target analyte peak.

because the relative absorbance is not known.

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION					
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-	Place, Suite 200		03/06/2006 - 04/18/ FEI NUMBER	2006*	
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NAME AND TITLE OF INDIVIDUAL	TO WHOM REPORT ISSUED			20 mm m m m m m m m m m m m m m m m m m	
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CITY, STATE, ZIP CODE, COUNTI	RY	TYPE ESTABLISHMENT INSP	PECTED		
Fort Lauderda	le, FL 33314-3902	Pharmaceutic	cal Manufacturer		
(2) According to TWR 1555, no extraneous peaks have been identified in subsequent cleaning studies after use of single-use cleaning cloths was implemented in September 30, 2005. However, the current inspection disclosed that three additional swab samples collected in February of 2006 showed unknown peaks above the limit specified by QC-0135. These instances were not reported to the FDA Investigator and were not investigated under a TWR. Only Phase I laboratory investigations were conducted in these cases (INV-06-0041 and INV-06-0633). (3) The firm did not make a reasonable attempt at identifying the extraneous peaks in order to determine if the extraneous peaks could come from residues of products manufactured prior to the last (target) product. None of the investigations performed included spiking samples with previous products to determine if the source of the unknown peaks could have been previous products manufactured in the same equipment. Review of the cleaning SOPs involved showed that most are not specific regarding washing and rinsing methods; however, none of the cleaning SOPs have been revised to provide more specific instructions regarding washing method, rinsing times or volumes, disassembly of equipment, etc. The corrective action in all cases was to re-clean and re-swab the equipment. i) TWR 2194 was opened on 2/3/06 to investigate a swab failure for Diltiazem HCl ER Capsules. The TWR lists rinsing with as one of the steps used in cleaning the capsule filler as per SOP PD-0018, "Operating and Cleaning Procedure for the					
the final rinse.	to uncover the fact that the cleaning proce	dure is not being it	onowed in that no	is used for	
	was conducted for several swab samples the is IDs 05-11-080, 06-02-091, and 06-02-0		or active limits; these swabs	were collected	
k) CAPA 1556 was opened on 6/20/05 to investigate the source of unknown peaks identified in TWR's 1476 and 1504 as laboratory glassware contamination. This CAPA has not been closed; the Investigation Extension Request approved on 2/10/06 states that "Initial work has been processed under QCP-05-059-MTH and reported under QCR-05-056-MTH". However, none of these documents addresses laboratory glassware contamination; they are related to the investigation of the source of unknown peaks in manufacturing equipment. TWRs 1476 and 1504 were closed before completion of the required follow-up investigation to be conducted under CAPA 1556.					
1) TWR 2059 was opened on 11/15/05 to investigate an incident where a foreign tablet (Metformin HCl ER Tablet, 500 mg) was found in a during the stage for Metformin HCl ER (XT) Tablets, 1000 mg, lot 62253. The investigation disclosed that both products ran back to back in compression in room A-19 (Building 4955) on the (WP-0007). TWR 2059 indicates that the most probable cause was human error in that the SOP cleaning instructions were not properly executed. However, the investigation did not include an examination of the compression machine involved and other compression machines used in the facility to determine areas where tablets could remain after a major clean without being detected. The investigation did not include a review of the operation/cleaning procedure to clarify instructions in order to make sure that those areas are given special attention when cleaning and setting up the compressing machine. Since June of 2005, the firm has reported five additional instances of foreign tablets or capsules found in different pieces of equipment (most related to packaging line equipment) for building 4955 and two for building 4001. In addition, on 2/24/06 the firm submitted to FDA an NDA-Field Alert Report due to a complaint of a foreign capsule of Cartia XT in a sealed bottle of Taztia XT. This event is still under investigation.					
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	ceuticals, Inc.	4955 Orange	e Dr		
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Fort Lauderda	ale, FL 33314-3902	Pharmaceuti	ical Manufacturer		
Laboratory Phase I Investigations (At least 31 out of a total of 99 Phase I investigations reviewed from May 2005-March 2006 were inadequate due to incomplete documentation, lack of scientific evidence to support conclusions and/or invalidate original results, or lack of adequate corrective/preventive actions. Some examples include, but are not limited to: m) INV-06-0062 was conducted on 3/2/06 to investigate the dissolution failure of Metformin HCl Extended-Release Tablets, 500 mg, Lot # 571G0059, which showed results of 35% for Vessel #2 at 3 hrs. (spec: in dissolution bath QC#0074. The next time point dissolution result at 10hrs. was within specifications for Vessel #2. The investigation documented that there was an air bubble observed in line 2 at the end of the run that decreased the flow rate for Vessel #2 to 3.8ml/min (spec: and concluded that it affected the results of the 3hr. time point only. However, the investigation did not explain how the flow rate only affected the dissolution result at the 3hr. time point and not the subsequent time point at 10hrs. In addition, no preventive or corrective actions were documented in the investigation report. n) INV 05-0492 was conducted on 12/22/05 to investigate the dissolution failure of Metformin HCl Extended Release Tabs, 500mg, which showed results of 15% in vessel #5 at 1hr. (spec: The results were invalidated because the flow rate for that vessel at the end of the run was found out of specifications. The investigation lacked scientific justification to support how the flow rate only affected the first time point at 1hr. and not the subsequent time points at 3 & 10hrs.					
lot # F599F1189 w flow rate for vessel	hich showed results of 8% in vessel #3	at 2hrs. (spec: e end of the run but	The data was invalidated because the the investigation lacked scientific evidence to ent time points at 12, 18 & 24 hrs.		
60mg, lot #63730, It also showed faili The flow rates for a	Pan 6, which showed results of 27% foing results of 9%, -1%, and -2% in vess	r vessel #5 and 35% els 4, 5, & 6, respect			
Production TWR In	nvestigations:				
q) On 3/6/06 while inspecting the production area, the batch production record for lot #66461 was reviewed. It documented that during the preparation of the coating solution on 2/16/06, foreign particles coming from the bulk system were observed and, as a result, the solution was discarded. On 3/7/06, the investigation report was requested at which time your firm provided TWR #2280 dated 3/6/06 (date opened). According to production personnel, at the time of this incident they were advised by QA that no investigation was needed because the solution was discarded and therefore there was no product quality impact. However, the draft investigation documents that the pump on the system failed and this resulted in particles being released from the pump into the stream. The determination of the impact to previous lots manufactured using the same system was not investigated in a timely manner.					
r) TWR #2169, dated 10/13/05 (occurrence date), was discovered on 1/25/06 and opened on 1/27/06 to document that during the processing of the second half of part 2 of the stage of Lovastatin 60 mg, lot F630F1132 (60315), it was determined that the product temperature probe was reading seven degrees higher than actual which means that for 45 minutes of spray time the product temperature was running between 16-18°C instead of the specified range of the local part issued.					
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	Rice, Chief Exec			
Andrx Pharmac	euticals, Inc.		Orange Dr	
	le, FL 33314-3902		BLISHMENTINSPECTED TRACEUtical Manufact	turer
incident and that the calibration error; he was reading 9 °C ar	e most probable cause for the wever, the documentation and 12 °C low and was calib	he product temperature for the calibration perfor rated to the required pa	probe reading 7° higher was ormed on 10/12/05 shows the	hat the temperature probe nd the determination of the
OBSERVATION	5			•
Written procedures materials used.	for cleaning and maintenar	nce fail to include descr	iption in sufficient detail of	f methods, equipment and
Specifically,				
number of rinses, o "Operating/Cleanin Procedure for the "Operating and Cle Procedure"; PD-010 for the	r rinsing time or volume of g Procedure for the aning Procedure for the 03, "Operation/Cleaning Provide with and	the rinsing agent to be PD-0043, "Operating occdure for the	and Cleaning Procedure for PD-0182, ; PD-0108, "Operate	D-0012, 118, "Operating and Cleaning or the PD-0124, Cleaning tion and Cleaning Procedure peration/Cleaning Procedure
	hen asked when brushing i	s necessary, one operat	or said that he "think r every major cleaning.	ors and walls with
7.3.2.3.9, 7.3.2	tions of SOP PD-0012 indications of SOP PD-0012 indications. 5.3, 7.3.2.6.5, and 7.3.2.6.4 "little bit" damp with		hat he can either spray the	7.3.2.3.5.1, 7.3.2.3.8.3, part with and wipe
detergent solut	version of SOP PD-0124 (ion, step 8.3.20 indicates weft out when the current ver	iping with	5) is missing a rinse step; af According to the firm's office	
the root cause was enough. However,	he failure to thoroughly rin	se or clean equipment	ed product, detergent or unloor that the cleaning procedu have been revised to make	
residues. The	was opened on 6/17/05 due SOPs that describe the clear raning Procedure for the		include SOP	OP PD0115, "Operating
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CITY, STATE, ZIP CODE, COUNTR	KY (TYPE ESTABLISHMENT IN	SPECTED			
Fort Lauderda	le, FL '3331	4-3902	Pharmaceut	ical Manufacturer			
SOP PD-0090, the SOPs lists a concentration for variations of the (between 5 min forms indicated	and Cleaning Procedure for the SOP PD-0090, "Operation/Cleaning Procedure for the SOPs lists a length of time or volume of rinsing agent for the rinse, and that the SOPs do not specify the concentration for the rinse steps. According to the TWR, the interviews of the manufacturing operators disclosed variations of the procedure in respect to the number of rinses and rinsing agent use and/or order, and rinsing times (between 5 minutes to one hour). The swab analysis forms showed inconsistency in the cleaning vehicle used; some forms indicated whereas other forms showed however, the SOPs have not been revised to make the cleaning and rinsing procedures more specific.						
		1555 indicates that no so the been revised at the time.		or volumes are defined in SO n.	P PD-0005		
that "one possil properly per SC failure, validati time." However is not springed (time or but the f	(3) TWR 2194 was opened on 2/3/06 to investigate a swab failure for Diltiazem HCl ER Capsules. The TWR indicates that "one possible root cause for the cleaning validation failure would be that the operator did not clean the equipment properly per SOP, although this could not be proven". The TWR also indicates that, "in light of the cleaning validation failure, validation personnel reviewed the cleaning procedure, and determined that no changes were warranted at this time." However, the cleaning procedure (PD-0018, "Operating and Cleaning Procedure for the is not specific regarding how parts should be washed (scrubbed with brush, sponge, cloth, or just rinsed) and rinsed (time or volume of rinsing agent). In addition, the procedure indicates that parts should be rinsed with but the firm does not use any						
(4) TWR 2259 was opened on 2/24/06 for detergent swab failures on the the third of the High results, it is most likely that the rinsing of the equipment was not thorough enough. Considering this most possible cause for the obtained results, emphasis on proper rinsing for equipment after any major cleaning will be discussed with the operators, as per PD-0043." However, neither the version that was in use at the time of the cleaning failure (version 2.0, effective 11/13/02) nor the current version (version 3.0, effective 2/24/06) of PD-0063, "Operating and Cleaning Procedure for the third of this is the correct SOP number, not PD-0043) are specific regarding how equipment parts should be washed (with brush, sponge, cloth, etc.) or regarding rinsing times or volume.							
		<u> </u>		• • • • • • • • • • • • • • • • • • •	·		
OBSERVATION	;						
		for the cleaning and ma holding of a drug produ		ment, including utensils, used	in the		
Specifically,							
shall be the same qu	nality, or better, as the final rinse of the that	ne equipment because is should be used for the	turing or by regula t is the quality of final rinse of equi	tion". According to this polic	In addition, SOP cturing area or and an		
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INSPECTIONAL OBSERVATIONS

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FORM FDA 483 (07/00)

	DEPARTMENT OF HEAD		SERVICES			
DISTRICT ADDRESS AND PHONE NUMBER	FOOD AND DRU	IG ADMINISTRATION	DATE(S) OF INSPECTION			
555 Winderley Place		•	03/06/2006 - 04/18	/2006*		
Maitland, FL 32751	: (407) 475 4768	•	3003194604			
(407) 475-4700 Fax	PORT ISSUED		3003194604			
TO: Thomas P. Rice, Chief Executive Officer & Director						
Andrx Pharmaceutica	ls, Inc.	4955 Orange	e Dr			
Fort Lauderdale, FL			cal Manufacturer			
operator disclosed that although it is sampled once a	is never used to raweek, the test performed (micro	inse equipment. Tobial) is for inform	The incoming city water is no nation only.	treated and,		
b) Operator said that he the SOP when there are chan	executes the cleaning procedures	by memory base	d on his experience; he said th	nat he only reads		
the box when there are chan	, sec.					
n da cita in a						
OBSERVATION 7						
Equipment and utensils are n strength, quality or purity of	not cleaned at appropriate interva the drug product.	ls to prevent conta	nmination that would alter the	safety, identity,		
Specifically,	· · · · · · · · · · · · · · · · · · ·					
a) Filters used in included in the cleaning valid	and and dation studies to confirm that the	rinsing procedure	are cleaned using but be are effective in removing	at are not residues.		
b) Report number QCR-05-051-MTH, "Analytical Test Method Report for the Determination of Surfaces", shows that the recoveries obtained by Analyst in and plates were significantly lower than the recoveries of the other two analysts. Since the test would not meet acceptance criteria using the recovery data obtained by Analyst in these two surfaces, the firm changed the analyst and calculated the correction factor for residues using the data from the fourth analyst. No investigation of Analyst swabbing technique was conducted to determine the reason of her low recoveries and no corrective actions were implemented to make sure her swabbing technique effectively recovers residues from equipment. However, Analyst is still swabbing equipment for cleaning validation and verification purposes. The firm does not have any procedure to make sure that the analysts' swabbing techniques are adequate before the analysts are allowed to perform swabbing for validation and verification studies.						
OBSERVATION 8 The accuracy, sensitivity, spe	ecificity, and reproducibility of to	est methods have 1	not been established and docu	mented.		
Specifically, your firm failed analytical procedure for the a	to perform an adequate method	validation for Taz	tia XT Capsules. The current se (STM 696, 697, 698, 699, 7	approved 700) requires the		
	· · · · · · · · · · · · · · · · · · ·			DATE ISSUED		
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FORM FUA 463 (67/00)

	The A Paris	NATIONAL STATE OF THE STATE OF	
		ITI AND HUMAN SERVICES ADMINISTRATION	
DIBTHICT ADDRESS AND PHONE NUMBER		DATE(8) OF INSPECT	
555 Winderley Place,	Suite 200	03/06/200	5 - 04/18/2006*
Maitland, FL 32751 (407) 475-4700 Fax:	(407) 475-4768	300319460	1
NAME AND TITLE OF INDIVIDUAL TO WHOM HEPON	Y ISSUED .		
TO: Thomas P. Rice,	Chief Executive Offi	CET & Director	
Andrx Pharmaceuticals	s, Inc.	4955 Orange Dr	A CONTRACTOR OF THE CONTRACTOR
	33314-3902	Pharmaceutical Manufa	cturer
OBSERVATION 9			
Written records of investigatio	ns into unexplained discrepanc	es do not include the conclusions	and follow-up.
	4		
Specifically,			
	dings and none of the SOPs in	leaning procedures were not spec olved in these investigations have	
03/15/2006(Wed), 03/16/2006(Th	u), 03/17/2006(Fri), 03/20/2006(M	Thu), 03/10/2006(Fri), 03/13/2006(Mon), 03/21/2006(Tue), 03/22/2006(Wed), 03/30/2006(Thu), 04/17/2006(M	(ed), 03/23/2006(Thu).
FDA EMPLOYEES! NAMES	S, TITLES, AND SIGNATUR	ES:	
-/21/M	as (In the Men	e mal
LCDR Heuna Barreto-Pettit, In	vestigator	Tennifer M. Menendez, Investiga	nor S
17/11/11/11/11		Of Affethe	
Rebeca Rodriguez, Investigato	r h	Jennifer D. Hollstrom, Analyst	
The state of the s			
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	*		
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INSPECTIONAL OBSERVATIONS

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