	DEPA	ARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION		
DISTRICT OFFICE	E ADDRESS AND PHONE NUMBER	DATE(S) OF INSPEC	TION	
	Good and Drug Administration		September 29 - October 9, 2015	
	10903 New Hampshire Avenue			
Bldg 51, Room 5346 TEL: 301-796-3865 Silver Spring, MD 20993		FEI NUMBER		
Industry Information: www.fda.gov/oc/industry		3007675007		
NAME AND TITLE	OF INDIVIDUAL TO WHOM REPORT IS IS:	SUED		
TO: Dr. Kratl	hish Bopanna, President and Chief	Executive Officer		
FIRM NAME		STREET ADDRESS		
Semler Resear	rch Center Private Limited	75A, 15th Cross, I Phase		
CITY, STATE AND	ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
J.P. Nagar, Ba	I.P. Nagar, Bangalore- 560 078, India Bioanalytical I			
OBSERVATO DURING AN INSPIRATION OF SERVATOR OF SUBSTITUTION OF SUBSTITUTION OF SUBSTITUTION OF SUBSERVATOR OBSERVATOR OBSERVATOR OF SUBSTITUTION OF SUBSERVATOR OF SUBSTITUTION OF SUBSERVATOR OF SUBSERV	TION 2 TION 2 TON 2 TON 2 TON 2 TON 2 TON 2 TON 2	found an Excel spreadsheet on Semler's server de	scribing the For example, ved reference product Specifically, the	
documented	that only 2 of 19 aqueous hu	il communications between Semler and the Sponso mor samples were contaminated.	or in July 2012	
OBSERVAT	(63.44)	the 2.5 hours concentration for subject 21 and of	1itabad midh	
the 3.5 hour		the 3.5 hour concentration for subject 21, period period 1 without any documentation of sample minanalytical sites did not uncover any evidence of sample mina	x-up. An investigation	
OBSERVA7	ΓΙΟΝ 4			
Not all study	y-related documentation was a	retained to allow reconstruction of the study. Spec	ifically,	
	ion of the plasma samples for og book for freezer 483.	subjects 17-32, period 1 of study (b) (4) were in	ncorrectly recorded in	
2. The calibr	rators and QCs used for study	(b) (4) could not be reconciled. Based on the	log book for freezer	
	경험 남이 있는 사람이 없는 것 같은 어느 없는 사람들이 되었다. 그는 사람이 되었다는 것 같아 없는 것 같아 없는 것 같아.	on June 2, 2014 and 25 sets of calibrators remain in	and the control of th	
		nable to be located and the freezer log book was no		
	randoveres occurrent	FURNOVERION WAS TO THE TOTAL TO THE T	DATE INC. IEE	
SEE REVERSE OF THIS PAGE	SS Alle	Dipesh Shah, Investigator Daniel J. Roberts, Investigator Arindam Dasgupta, Pharmacologist Charles R. Bonapace, Pharmacologist	10/09/2015	

	DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION		
DISTRICT OFFICE ADDRESS AND PHONE NUMBER Food and Drug Administration 10903 New Hampshire Avenue Bldg 51, Room 5346 TEL: 301-796-386:	400 AND	DATE(S) OF INSPECTION September 29 - October 9, 2015 FEI NUMBER	
Silver Spring, MD 20993	3007675007		
Industry Information: www.fda.gov/oc/indus	y		
TO: Dr. Krathish Bopanna, President and			
	STREET ADDRESS		
Semler Research Center Private Limited	75A, 15th Cross, I Phase		
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
J.P. Nagar, Bangalore- 560 078, India	Bioanalytical Laboratory		
crumpled/torn in a trash pile on the include the following: 1. Sample dilution concentration she		oratory. Examples er 4, 2015.	
Batch schedule for bioanalytical i September 23, 2015.	jection sequence for Batch	dated	
3. Overview-Area Table Results for	(b) (4) testing for Phosphate Analysis study (b) (4)	dated September 28,	
2015 with the word "Determination"	(h) (A)		
 Chromatographic sample table for 	sample set		
dated September 29, 2015. 5. Results table for study (b) (4)	ubject 10 dated January 26, 2015.		
files on the computer system connect. On September 30, 2015, we obser	delete, copy and rename chromatographic LC/MS raw ed to LC/MS instruments. Specifically, ed that laboratory analysts could delete data for LCMS		
was being used to test samples for b			
2. Laboratory analysts had the ability	to delete raw data folders and files during the time peri	ou of May 28, 2015	
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) NAME AND TITLE (Print or Type) Dipesh Shah, Investigator Daniel J. Roberts, Investigator Arindam Dasgupta, Pharmacologist	10/09/2015	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION

DISTRICT OFFICE ADDRESS AND PHONE NUMBER Food and Drug Administration 10903 New Hampshire Avenue Bldg 51, Room 5346 TEL: 301-796-3865

September 29 - October 9, 2015

DATE(S) OF INSPECTION

Silver Spring, MD 20993

FEI NUMBER 3007675007

Industry Information: www.fda.gov/oc/industry

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED

TO: Dr. Krathish Bopanna, President and Chief Executive Officer

FIRM NAME Semler Research Center Private Limited CITY, STATE AND ZIP CODE

STREET ADDRESS 75A, 15th Cross, I Phase

TYPE OF ESTABLISHMENT INSPECTED

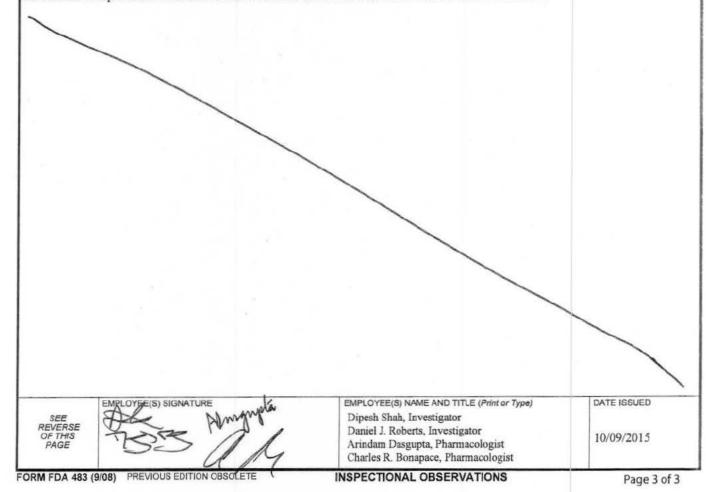
J.P. Nagar, Bangalore- 560 078, India

Bioanalytical Laboratory

and September 9, 2015 on instrument LCMS 139 during the upgrade of Analyst Software System from version 1.4.1 to version 1.6.2. This LCMS 139 instrument was used during this time period to test samples for bioequivalence studies that included

OBSERVATION 7

Not all data generated in the in-vitro bioanalytical laboratory are adequately recorded to prevent accidental data loss. Specifically, the continuous temperature monitoring for the laboratory orbital 37C shaker (equipment number EOS 799) used for in-vitro bioanalytical testing is recorded on an uncontrolled portable thumb drive. The electronic temperature data that is downloaded on the thumb drive can be deleted/altered.



The observations of objectionable conditions and practices listed on the front of this form are reported:

- 1. Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
- To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration.

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC 374(b)) provides:

"Upon completion of any such inspection of a factory, warehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgement, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to health. A copy of such report shall be sent promptly to the Secretary."