DEPARTMENT OF H	EALTH AND HUMAN SE	RVICES		
	DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION	DATE(S) OF INSPECTION	
FDA/CBER/OCBQ/Division of Manufacturing and Product Quality 10903 New Hampshire Avenue, Silver Spring, MD 20993 Attention: Jay Eltermann, Building 71, Room 6038 Telephone: (240) 402-9168		3-7 April 2017	3-7 April 2017	
		FEI NUMBER	FEINUMBER	
Industry Information: www.fda.gov/oc/industry		3010353512		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED	· · · · · · · · · · · · · · · · · · ·			
TO: Mr. Spencer Fisk				
FIRM NAME	STREET ADDRESS	STREET ADDRESS		
Novartis Pharmaceuticals Corporation	220 East Hanove	220 East Hanover Ave		
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISH	TYPE OF ESTABLISHMENT INSPECTED		
Morris Plains, NJ 07959 USA	Gene Therapy Product Manufacturing Facility			
OBSERVATIONS; AND DO NOT REPRESENT A FINAL AGENCY DETERMINA OBSERVATION, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMENT CO OBJECTION OR ACTION WITH THE FDA REPRESENTATIVE(S) DURING THE YOU HAVE ANY QUESTIONS, PLEASE CONTACT FDA AT THE PHONE NUMBI DURING AN INSPECTION OF YOUR FIRM (I) (WE) OBSERVED:	RRECTIVE ACTION IN RES E INSPECTION OR SUBMIT	SPONSE TO AN OBSERVATION	YOU MAY DISCUSS THE	
1 D	(b) (4	1		
1. Process validation for CTL-019 manufacturing time of the inspection. Specifically,	(6) (7	was	incomplete at the	
a. The process performance qualification (PPQ) study process(es) were defined in the commercial master bath. Changes made to the commercial manufacturing process to the following: i. (b) (4) ii. Methods used in the PPQ study were not the same specifically, (b) (4)	orocess were not eva	iluated during validatione PPQ study;	on including, but	
c. Hold steps are not defined in the Master Batch Rec (b) (4)	cord (e.g.,	(b) (4)		
2. Deviations were not initiated for numerous action led during Q1-Q3, 2016 as documented in trending report investigated and the root causes were not determined.	(b) (4) for	microbial monitoring or that period. The excu	of ^{(b) (4)} operators rsions were not	
EMPLOYEE(S) SIGNATURE				

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."