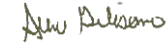


Thermo Fisher Scientific hereby certifies that the product identified below is manufactured and/or distributed according to the requirements of product and quality specifications as maintained in our quality management system which is compliant to ISO 13485:2016 (BSI Certificate Number: FM 653694) in the USA.

 June Gulisano
Sr. Quality Manager

The following information represents Product Certification for: Item#: **382019-2000**

Certificate issued: **03/30/2019**

Description: **SQ BTL STR Clean PETG, 2000mL**

Lot#: **1248145**

Use Before: **03/28/2024**

Manufactured: **03/22/2019**

Part Number	Description	Common Name	DMF#	Cytotoxicity	USP Class VI	FDA Compliance - 21 CFR
1-0638-91P	BTL,2L,SQ,N/M,PETG,MEDIA,2cav	COMPONENT PART				
8-0001-32	RESIN,PETG,IBM,EBM,INJ	COPOLYESTER, PETG NATURAL	9987	PASSED	PASSED	177.1315(b)(1) and 174.5
1-1822-21	CLOS,53B,HDPE,NAT	COMPONENT PART				
8-0042-01	RESIN,HDPE,INJ	HIGH-DENSITY POLYETHYLENE	1646	PASSED	PASSED	176.170(c), 177.1520(c)3.2a

If N/A appears in any of the columns above it means the information is not available. Any item listed as "COMPONENT PART" will show blank in the DMF#, Cytotoxicity, USP Class VI, and FDA Compliance Information columns.

If the word "PASSED" appears in the USP Class VI column next to the resin listing, this material has passed USP Class VI requirements, latest Volume, as part of our initial test approval protocol.

If the word "PASSED" appears in the Cytotoxicity column next to the resin listing, this material was tested and shown to be non-cytotoxic as part of our initial test approval protocol, using either mouse fibroblast L929 cells or the more sensitive human diploid lung cell lines WI-38 or MRC-5.

Product was Gamma Irradiation Sterilized. Product was dosimetric released per ANSI/AAMI/ISO 11137 guidelines. Product was determined to be non-pyrogenic at a level < 0.5 EU/ml per USP < 85 > .

Certified clean containers are manufactured in an ISO 14644-1 Class 7 cleanroom. Liquid particle count levels are lot certified in compliance with USP < 788 > , EP 2.9.19, and JP 14th Edition Part 1 - Section 24.

The materials used in the manufacture of these resins are free of animal derived material.