

VWR® LTS COMPATIBLE PIPET TIPS

As per the manufacturer, the below product meets the following criteria:

VWR Catalog Number:	76323-932
Lot Number:	223974
Description:	VWR LTS TIPS 300 µL LTS RK LR ST PK960
Country of Origin:	Mexico

Quality System Compliance

Products are manufactured and packaged under the ISO 9001:2015 quality management system. Product is free of any detected defects and has passed our quality control standards and testing outlined below.

Traceability

Products are manufactured with a printed lot number, part number, and expiration date clearly printed on the pack and case box labels. Pipette tip racks are labeled with the lot number, part number, and tip size on the front of the lid for an extra level of traceability.

Functional Testing:

Each product is inspected at regular intervals to our set specifications to ensure the proper form, fit, and function. Functional testing for tips includes a test for leaking and an accuracy test using the maximum volume of the tip. Accuracy and precision are then printed on the pack boxes in the form of the CV value.

Bio Contamination Testing:

Tips considered "pre-sterile" undergo an irradiation process to damaging the DNA and destroying the reproductive capabilities of the microorganisms. The irradiation process is in compliance with procedures outlined in ISO 11137-2:2013, including quarterly audits and bioburden testing to validate a minimum SAL level of 10^{-3} .

Test	Limit of Detection	Specification
RNase/DNase, via electrophoretic detection	10^{-7} Kunitz units U/µL	$<10^{-7}$ Kunitz units U/µL
Nucleic Acid, via electrophoretic detection	10 ng	No amplicons detected
Endotoxin/Pyrogens, via LAL	0.06 EU/mL	Levels < 0.06 EU/mL
PCR inhibitors, via gel electrophoresis analysis	Pass/Fail using PCR amplification and gel electrophoresis analysis	Successful PCR amplification
ATP, via luminescence detection	$2.5 \cdot 10^{-10}$ mg/µL	Luminescence Detected in the $2.5 \cdot 10^{-10}$ – $7.2 \cdot 10^{-9}$ range

Materials Statement:

No plasticizers, mold release agents, latex, or GMOs are used in the manufacture of the above product. The raw material resin used to make our products undergoes hydrogenation, alkaline hydrolysis and distillation ensuring the product is BSE (bovine spongiform encephalopathy) and TSE (transmissible spongiform encephalopathy) free. We performed an extractable study using a third-party laboratory on our polypropylene finished goods. No heavy metals were found to be above the instrument quantitation limit for any metals.

Signed:



Jamie Ethier
VP Global Quality
VWR, Part of Avantor

Date: March 3, 2021