



VWR® PIPET TIP

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

VWR Catalog Number:	76322-160
Lot Number:	220534
Description:	VWR Pipet Tip LTS Rk F LR St 200µL 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 include 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 destroy DNA, microorganisms, and other potential biological contaminants. The irradiation process is validated to achieve a minimum SAL level of 10^{-3} .

Contaminant tested for	Limit of Detection
RNase/DNase	10^{-7} Kunitz units/µL
Nucleic Acid	10 ng
Endotoxin/Pyrogens	0.06 EU/mL
PCR inhibitors	Pass/Fail using PCR amplification and gel electrophoresis analysis
ATP	7.3^{-9} mg/µL

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: October 14, 2020