



## Sterility Certificate

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### VWR® PIPET TIPS

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

<b>North American Catalog No:</b>	83007-380
<b>Lot Number:</b>	6003
<b>Description:</b>	VWR TIP BLU 1000UL RK ST PK576
<b>Dose Range:</b>	12.2 – 18.9 kGy
<b>Sterilization Date:</b>	01/09/16

This certifies that products from the specified lot number were irradiated at a dose range of 12-25 kiloGray.

This dosage is sufficient to guarantee a sterility assurance level of  $10^{-6}$ .

Sterility assurance levels are based on the probability of a positive, nonsterile part occurring after irradiation. A  $10^{-4}$  SAL is equivalent to each part bearing a 1 in 10,000 chance of being nonsterile. An SAL of  $10^{-6}$  is the highest level of sterility able to be guaranteed according to the ISO 11137 standard, and represents a 1 in 1,000,000 chance of a nonsterile part occurring.

The Manufacturer's sterilization program is an ISO 11137 validated process, with bioburden studies and radiation validation audits performed quarterly.

**Signed:**

Ken Crossley  
Manager  
Quality Assurance

**Date:** Jan 09, 2016