

Low TOC Alpha® Swabs

Cleaning Validation Series



Description

Swabbing is a preferred method to determine the effectiveness of cleaning protocols as determined by the US FDA. TOC analysis is one method used to validate these cleaning processes.

The Low TOC Alpha® Swabs have been cleaned to a level of <50µg/L. This minute level of TOC makes these swabs the ideal tool for use in Cleaning Validation of equipment used in the manufacture of APIs, excipients and drugs. The double layered, double-knit polyester head provides excellent recovery rates by entrapping samples in the knit structure without adhering to the sample, allowing complete release into the diluent.

The two designs available were created for differing needs of the Pharmaceutical industry in Cleaning Validation. TX714K, the same swab in the TX3340 and TX3342 TOC Cleaning Validation Kits, has a large head on a rigid, break-away handle. This model provides firm support for sampling broad areas and flat surfaces. The break-away handle allows the swab head to be placed into a sampling vial with minimal handling. TX761K has a long, flexible handle which is appropriate for tighter and more difficult to reach areas.

Features

- Certified ultra-low TOC levels (<50µg/L)
- Entraps samples in knit structure
- Complete release into diluent
- Thermally bonded head
- No contaminating adhesives
- Low fiber and particle generation
- 2 available models

Benefits

- High recovery rates
- Consistent and reliable test results
- No background interference from other contaminants
- Choice of styles for use in different equipment and protocols

Applications

- Pharmaceutical manufacturing cleaning validation for TOC

Products

TX Number	Description	Packaging
TX714K	Low TOC Alpha® Sampling Swab	20 swabs/bag 50 bags/case
TX761K	Low TOC Alpha® Swab with Long Handle	20 swabs/bag 50 bags/case



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Low TOC Alpha® Swabs

Physical Characteristics

	TX714K Low TOC Alpha® Sampling Swab	TX761K Low TOC Alpha® Swab with Long Handle
Head material	Knitted Alpha® polyester	Knitted Alpha® polyester
Head width	12.7 mm (0.500")	6.8 mm (0.268")
Head thickness	4.2 mm (0.165")	2.8 mm (0.110")
Head length	25.7 mm (1.012")	16.8 mm (0.661")
Handle material	Polypropylene	Polypropylene
Handle width	5.2 mm (0.205")	3.2 mm (0.126")
Handle thickness	3.0 mm (0.118")	3.2 mm (0.126")
Handle length	101.8 mm (4.008")	145.5 mm (5.728")
Total swab length	127.5 mm (5.020")	162.3 mm (6.390")
Head Bond	Thermal	Thermal
Handle Color	Light Green	Light Green
Design notes	Flat head paddle; long, easy-grip handle	Flexible head paddle; long handle

TOC Characteristics

Tested and Certified to <50 µg/L	TM2: Laboratory Testing For Swabs
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