

T E C H N I C A L D A T A S H E E T

TX715 Alpha Sampling Swab



Description

Texwipe's Alpha[®] Sampling Swab is made from the cleanest 100% polyester knit materials. These swabs are further cleaned using a proprietary process to make this swab suitable for use in HPLC using a UV-Vis detector analytical method as part of a cleaning validation protocol.

Precision-manufactured, every swab is constructed to exacting and consistent tolerances without the use of adhesives for superior performance.

Lot coded for traceability and quality control.

Features & Benefits

- Proprietary cleaning process reduces interference in the 230 nm range resulting in an improved limit of detection
- Double layered, double knit polyester head entraps contaminants in knit structure during sampling. This allows maximum contaminant collection and release into the diluent to provide for excellent recovery rates.
- Notched, break-away handle allows the head to be placed into the vial with minimal handling and contamination
- Excellent chemical resistance for compatibility with a variety of solutions
- 100% polypropylene handle ensures no additional contaminants are introduced and provides excellent chemical resistance
- Autoclavable for use in sterile environments and processes

Sterile swabs available upon request.

Applications

- Surface sampling for use in HPLC analysis as part of a cleaning validation protocol.
- Precision cleaning of hard-to-reach areas or small spaces

Industries

- Animal Health
- Biologics
- Food Manufacturing
- Nutraceuticals
- Pharmaceuticals

Products

See reverse for Physical and Contamination Characteristics

Physical Characteristics

Head material	Knitted Alpha [®] polyester
Head width	12.7 mm (0.500")
Head thickness	4.2 mm (0.165")
Head length	25.7 mm (1.012")
Handle material	Polypropylene
Handle width	5.2 mm (0.205")
Handle thickness	3.0 mm (0.118")
Handle length	101.8 mm (4.008")
Total swab length	127.5 mm (5.020")
Head bond	Thermal
Handle color	Light Green
Design notes	Flat head paddle; long, easy-grip handle

Contamination Characteristics*

Ions, µg/swab

Calcium	0.06
Chloride	0.13
Fluoride	0.10
Magnesium	0.03
Nitrate	0.11
Phosphate	0.12
Potassium	0.05
Sodium	0.16
Sulfate	0.10

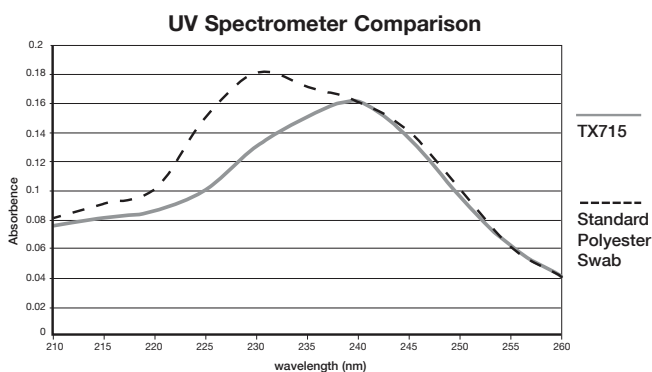
Nonvolatile residue, mg/swab

DIW extractant	0.01
IPA extractant	0.03

Products

Number	Description	Packaging
TX715	Alpha [®] Sampling Swab	Bag-Within-A-Bag [®] 100 swabs/bag 2 inner bags of 50 swabs; 10 bags/case

* Testing Method: TM2: Laboratory Testing for Swabs. Test method is available upon request. Values are typical, not representing specification limits.



UV Absorption Spectrum Comparison of TX715 and Standard Polyester Swabs

The solid line (TX715) represents the UV (UltraViolet) spectrum of the proprietary processed TX715 polyester. The dashed line represents the UV spectrum of a standard polyester swab. The proprietary processing removes contaminants whose absorption is in the 220 nm to 240 nm range yielding a maximum absorption difference occurring at approximately 230 nm. This reduced background interference level allows for an improved lower limit of detection.