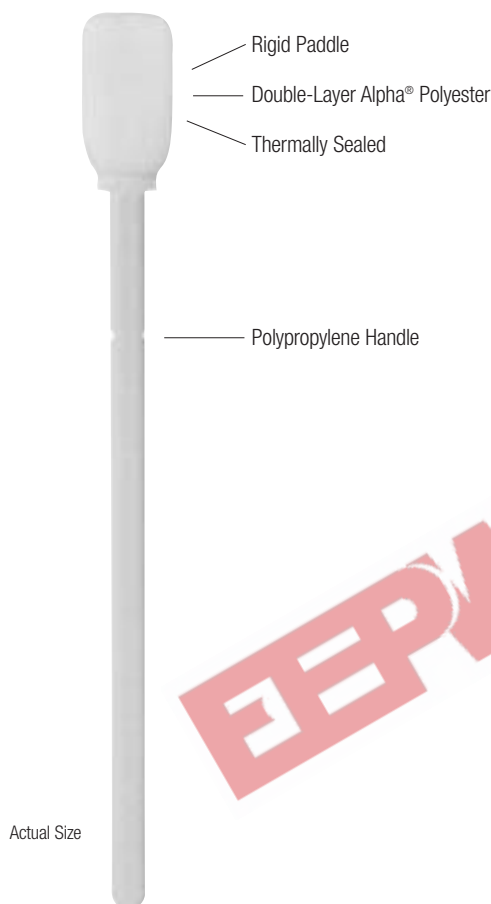


Alpha® Sampling Swab

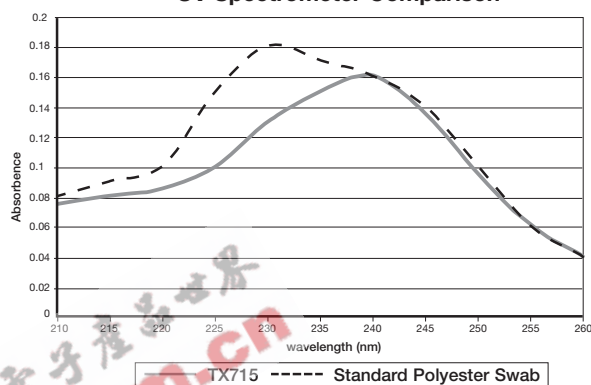
Alpha Series



Description

The Alpha® Sampling Swab is a polyester swab specifically engineered for cleaning validation using analytical techniques such as HPLC and UV/visible spectroscopy. The laundered, knitted polyester head provides sampling with minimal background contamination (see chart). A long, rigid handle and internal head paddle provide firm support and even contact with the sampling area. The swab handle is notched so the head can easily be snapped off for convenient sample handling. The Alpha Sampling Swab is not appropriate for TOC analysis.

UV Spectrometer Comparison



Features

- Cleanroom-laundered, double-layer knitted AlphaLite® polyester
- Proprietary cleaning process to remove interference in the 230 nm range
- Long, firm polypropylene handle for support during sampling
- Rigid paddle inside the polyester head to maintain complete and consistent surface contact
- Soft and nonabrasive
- Notched handle for swab sampling
- Autoclavable

Benefits

- Very low nonvolatile residue for more precise sampling
- Low particle and very low fiber generation
- Good sorbency of surface contaminants and good release into analyte
- No contaminating adhesive residues
- Excellent chemical and solvent resistance
- Easy snap-off head

Applications

- Sampling surfaces for cleaning validation
- Environmental monitoring for surface bioburden
- Not to be used for TOC validation

Products

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

ITW Texwipe®

North America
300B Route 17 South
Mahwah, NJ 07430
Tel (800) TEXWIPE ext 120
(201) 684-1800 ext 120
Fax (201) 684-1801
www.texwipe.com
info@texwipe.com

Europe/Middle East
Skejby Nordlandsvej 307
DK-8200 Aarhus N
Denmark
Tel +45 87 400 220
Fax +45 87 400 222

Asia/Pacific
50 Tagore Lane
#02-01 Markono
Distri Centre
Singapore 787494
Tel +65 6468 9433
Fax +65 6468 6772

DS-715 .1M ©2005 ITW Texwipe Printed in USA
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Swabs Alpha 715-1

Alpha[®] Sampling Swab

TX715

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

| Property | Measurement | Test Method* |
|---------------------|--------------|---|
| Nonvolatile residue | | |
| IPA extractant | 0.12 mg/swab | TM10: Procedure for Determining the Nonvolatile Residue (NVR) Extractable from Swabs in a Given Solvent |
| Ions | | TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) |
| Chloride | 0.24 µg/swab | |
| Sulfate | 0.44 µg/swab | |
| Nitrate | 0.48 µg/swab | |
| Phosphate | 0.50 µg/swab | |
| Fluoride | 0.11 µg/swab | |
| Potassium | 0.13 µg/swab | |
| Calcium | 0.07 µg/swab | |
| Sodium | 0.16 µg/swab | |
| Magnesium | 0.05 µg/swab | |

*Test procedures available upon request.