

Swabbing Guide

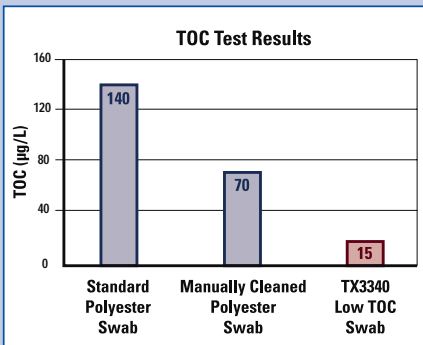
Swab Requirements

- Minimal background interference
- High recovery rate
- Low particle generation

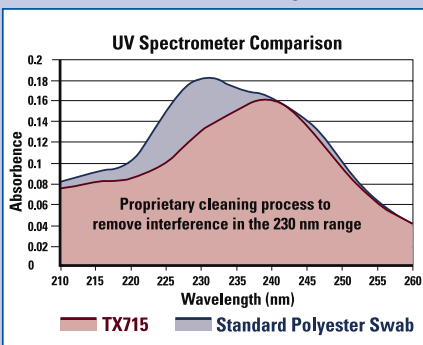
Where to Use

- Irregular surfaces
- Hard to reach areas
- Presence of product/cleaning residue

TOC Analysis



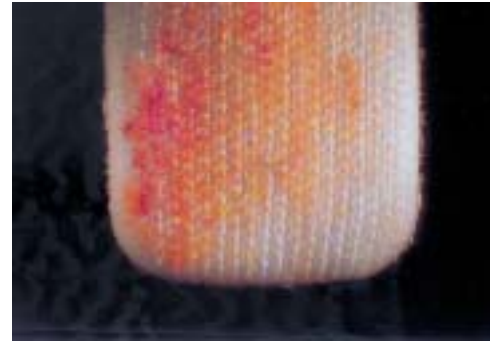
HPLC/UV-Vis Analysis



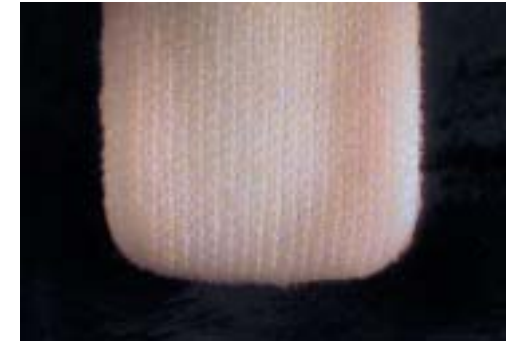
Example of Contaminant Release on TX3340



Clean swab (5x magnification)



Swab after use (5x magnification)



Swab after contaminant release (5x magnification)

Proper Swab Sampling Procedure

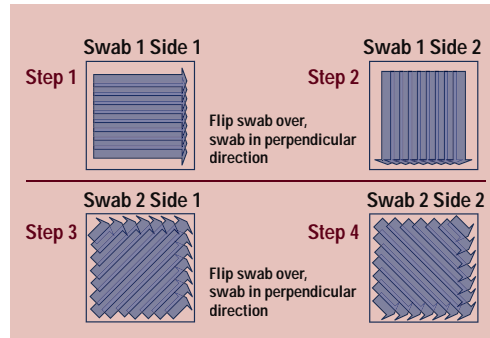


Fig. 1 — Typical swabbing pattern



Fig. 2 — Swab with entire head flat against testing surface



Fig. 3 — Snap swab head at the notch along narrow edge of swab handle

Proper Swab Sampling Procedure

- Define region to be tested.
- Dampen swab with diluent.
- Swab with overlapping pattern (see fig. 1, step 1). Flip swab and repeat, passing swab in perpendicular direction (see fig. 1, step 2). Repeat procedure with second swab, at 45° angles (see fig. 1, steps 3 and 4).
- Swab with entire head flat against surface (see fig. 2).
- Snap swab head at the notch along narrow edge of swab handle. Allow swab head to fall into vial (see fig. 3).
- Transfer for TOC or HPLC analysis.



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