

Tetrahydrofuran

HPLC

For use in Liquid Chromatography (HPLC & UHPLC) &

Spectrophotometry

Contains No Preservative



Material No.: 9441-02

Batch No.: 0000038295

Manufactured Date: 2013/03/06

Expiration Date: 2014/03/05

Certificate of Analysis

| Test | Specification | Result |
|--|-----------------|-----------|
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 400-320 nm | ≤ 0.01 | < 0.01 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 280 nm | ≤ 0.030 | 0.014 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 254 nm | ≤ 0.15 | 0.11 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - 230 nm | ≤ 0.45 | 0.27 |
| Ultraviolet Absorbance (1.00-cm cell vs. water) - UV Cut-off, nm | ≤ 212 | 210 |
| Assay (by GC, corrected for water) | $\geq 99.8 \%$ | 100.0 |
| Peroxide (as H_2O_2) | $\leq 0.005 \%$ | < 0.001 |
| Residue after Evaporation | ≤ 2.0 ppm | < 0.1 |
| Water (by KF, coulometric) | $\leq 0.02 \%$ | < 0.01 |

For Laboratory, Research or Manufacturing Use

Country of Origin: US



Phillipsburg, NJ 9001:2008, 14001:2004
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 17025:2005
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008

Richard M Siberski
Global Director of Quality Assurance

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600

Avantor TM Performance Materials Inc.

3477 Corporate Parkway, Suite #200, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610