

Toluene

HPLC

For use in Liquid Chromatography (HPLC & UHPLC) &

Spectrophotometry



Material No.: 9351-33

Batch No.: 0000077305

Manufactured Date: 2014/05/02

Expiration Date: 2015/05/01

## Certificate of Analysis

| Test                                                             | Specification  | Result   |
|------------------------------------------------------------------|----------------|----------|
| Assay (by GC, corrected for water)                               | $\geq 99.7 \%$ | 100.0    |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 350 nm         | $\leq 0.01$    | $< 0.01$ |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 300 nm         | $\leq 0.10$    | 0.02     |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – 288 nm         | $\leq 0.40$    | 0.13     |
| Ultraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm | $\leq 285$     | 284      |
| Residue after Evaporation                                        | $\leq 3.0$ ppm | $< 0.1$  |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>            | Passes Test    | PT       |
| 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  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600  
Avantor™ Performance Materials Inc.

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