



**ChemPure\* Brand  
Chemicals**

...Pure Quality

### CERTIFICATE OF ANALYSIS

Product: Toluene HPLC-UV Grade  
CAT.NO. CP-C4954  
MF: C<sub>6</sub>H<sub>5</sub>CH<sub>3</sub>  
FW: 92.14  
LOT: C18B28  
Mfg Date: February 28, 2018  
Use By: February 27, 2022

CAS #: 108-88-3  
Boiling Point: 110°C)

| TEST   | SPECIFICATIONS | RESULTS     |
|--|----------------|-------------|
| Assay  | min.99.7%      | >99.91%     |
| Water (H <sub>2</sub> O)                           | 0.03%          | 0.01%       |
| Evaporation Residue                                | 10             | 0 ppm       |
| Substances Darkened H <sub>2</sub> SO <sub>4</sub> | T.P.T.         | Passes Test |
| Sulfur Compounds(S)                                | max. 0.003%    | <0.01%      |
| Color (APHA)                                       | < 10           | 1           |
| Refractive Index                                   | T.P.T.         | Pass        |
| Benzene  | 0.04%          | <0.01%      |
| C8 Aromatics                                       | Per Lot        | 0.01%       |
| Non-Aromatics                                      | Per Lot        | 0.06%       |
| 400-350nm  | 0.01           | 0.00        |
| 335nm  | 0.02           | 0.01        |
| 310nm  | 0.05           | 0.03        |
| 300nm  | 0.10           | 0.10        |
| 293nm  | 0.20           | 0.20        |
| 288nm  | 0.50           | 0.36        |
| 286nm  | 1.00           | 0.57        |
| Specific Gravity 60/60F                            | 0.869-0.873    | 0.872       |

Approved: V.Mekesa QC Mgr. 8/08/2018

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