

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TOLUENE RECTIFIED LR (SULPHUR FREE)**

**CAS No : 108-88-3**  
**Mol. Formula : C<sub>7</sub>H<sub>8</sub>**  
**Mol. WT : 92.14**  
**Date of analysis : 08/02/24**

**Product code : 26680**  
**Batch No : MCRT-30327**  
**Mfd. : Feb. 2024**  
**Exp. : Jan. 2029**

S.R	Test	Specification	Observation
1	<b>Description</b>	A clear, colourless liquid, with characteristic odor, APHA not greater than 10 HU.	A clear, colourless liquid, with characteristic odor APHA less than 10 HU.
2	<b>Assay (GC)</b>	99.5 % min	99.91%
3	<b>Wt. per ml at 20°C</b>	0.860-0.867 g	0.862g
4	<b>Refractive index at 20°C</b>	1.494-1.497	1.494
5	<b>Water (by KF)</b>	0.03 % max	0.02 %
6	<b>Acidity</b>	0.012 ml N% max	Nil
7	<b>Alkalinity</b>	0.012 ml N% max	< 0.012 ml N%
8	<b>Non volatile matter</b>	0.002 % max	0.001%
9	<b>Benzene (C<sub>6</sub>H<sub>6</sub>)</b>	0.2 % max	< 0.2%
10	<b>Copper (Cu)</b>	0.00005 % max	< 0.00005 %
11	<b>Iron (Fe)</b>	0.0001 % max	< 0.0001 %
12	<b>Lead (Pb)</b>	0.00005 % max	< 0.00005 %
13	<b>Organic impurities</b>	Passes acid wash test	Passes acid wash test
14	<b>Sulphur compounds (CS<sub>2</sub>)</b>	0.0003 % max	< 0.0003 %
15	<b>Thiophen Homologues (C<sub>4</sub>H<sub>4</sub> S)</b>	0.0002 % max	<0.0002 %

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS.

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Durvas)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.