



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : TOLUENE AR**

<b>CAS No</b>	<b>: 108-88-3</b>	<b>Product code</b>	<b>: 26680</b>
<b>Mol. Formula</b>	<b>: C<sub>7</sub>H<sub>8</sub></b>	<b>Batch No</b>	<b>: MCRT-17100</b>
<b>Mol. WT</b>	<b>: 92.14</b>	<b>Mfd.</b>	<b>: Oct. 2018</b>
<b>Date of analysis</b>	<b>: 11/10/18</b>	<b>Exp.</b>	<b>: Sept. 2023</b>

S. R	Test	Specification	Observation
1	Description	Clear colourless liquid.	Clear colourless liquid.
2	Assay (GC)	99.5 % min	99.95 %
3	Wt. per ml at 20°C	0.860-0.867 g	0.865 g
4	Refractive index at 20°C	1.494-1.497	1.495
5	Water(by KF)	0.03 % max	0.02 %
6	Acidity	0.012 ml N% max	<0.012 ml N%
7	Alkalinity	0.012 ml N% max	< 0.012 ml N%
8	Non volatile matter	0.002 % max	0.001%
9	Benzene(C <sub>6</sub> H <sub>6</sub> )	0.2 % max	< 0.2%
10	Copper (Cu)	0.00005 % max	< 0.00005 %
11	Iron(Fe)	0.0001 % max	< 0.0001 %
12	Lead(Pb)	0.00005 % max	< 0.00005 %
13	Organic impurities	Passes acid wash test	Passes acid wash test
14	Sulphur compounds (CS <sub>2</sub> )	0.0003 % max	< 0.0003 %
15	Thiophen Homologues (C <sub>4</sub> H <sub>4</sub> S)	0.0002 % max	<0.0002 %

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

**[Tested By]**

**[QC Incharge]**

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

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

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