



## CERTIFICATE OF ANALYSIS

Date: 23/02/14

PRODUCT NAME : TOLUENE GR

CAS No : 108-88-3

Product code : 26680

Mol. Formula : C<sub>7</sub>H<sub>8</sub>

Batch No : MCRT-7855

Mol. WT : 92.14

Mfd. : Feb. 2014

S. R	Test	Specification	Observation
1	Assay (GC)	99.5 % min	99.89%
2	Refractive index at 20 <sup>o</sup> C	1.494-1.497	1.494
3	Wt. per ml at 20 <sup>o</sup> C	0.860-0.867 g	0.864 g
4	Water	0.03% max	0.02%
5	Acidity	0.012 ml N% max	<0.012 ml N%
6	Alkalinity	0.012 ml N% max	<0.012 ml N%
7	Non volatile matter	0.002% max	0.001%
8	Benzene(C <sub>6</sub> H <sub>6</sub> )	0.2% max	<0.2%
9	Copper (Cu)	0.00005% max	<0.00005%
10	Iron(Fe)	0.0001% max	<0.0001%
11	Lead(Pb)	0.00005% max	<0.00005%
12	Organic Impurities	Passes acid wash test	Passes acid wash test
13	Sulphur compound(CS <sub>2</sub> )	0.0003% max	<0.0003%
14	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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