



## CERTIFICATE OF ANALYSIS

Date: 28/11/16

PRODUCT NAME : TOLUENE GR

CAS No : 108-88-3  
Mol. Formula : C<sub>7</sub>H<sub>8</sub>  
Mol. WT : 92.14  
Exp. : Oct. 2021

Product code : 26680  
Batch No : MCR-12723  
Mfd. : Nov. 2016

S. R	Test	Specification	Observation
1	Assay (GC)	99.5 % min	99.94 %
2	Wt per ml at 20°C	0.860-0.867 g	0.866g
3	Refractive index at 20°C	1.494-1.497	1.496
4	Water(by KF)	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 compounds (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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