

CERTIFICATE OF ANALYSIS

PRODUCT NAME : TOLUENE RECTIFIED AR (SULPHUR FREE)

CAS No : 108-88-3
Mol. Formula : C₇H₈
Mol. WT : 92.14
Date of analysis : 26/10/24

Product code : 26680
Batch No : MCAR-00767
Mfd. : Oct. 2024
Exp. : Sept. 2029

S.R	Test	Specification	Observation
1	Description	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	Assay (GC)	99.5 % min	99.85%
3	Wt. per ml at 20°C	0.860-0.867 g	0.862g
4	Refractive index at 20°C	1.494-1.497	1.495
5	Water (by KF)	0.03 % max	0.025 %
6	Acidity	0.012 ml N% max	Nil
7	Alkalinity	0.012 ml N% max	< 0.012 ml N%
8	Non volatile matter	0.002 % max	0.0008%
9	Benzene (C ₆ H ₆)	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 ₂)	0.0003 % max	< 0.0003 %
15	Thiophen Homologues (C ₄ H ₄ S)	0.0002 % max	<0.0002 %


REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS.

[Tested By]



**CHEMIST
(Shrutti)**

[QC Incharge]



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