



CERTIFICATE OF ANALYSIS

Date: 28/06/14

PRODUCT NAME : TOLUENE GR

CAS No : 108-88-3

Product code : 26680

Mol. Formula : C₇H₈

Batch No : MCRT-8354

Mol. WT : 92.14

Mfd. : June 2014

| S. R | Test | Specification | Observation |
|------|--|-----------------------|-----------------------|
| 1 | Assay (GC) | 99.5 % min | 99.82 % |
| 2 | Wt. per ml at 20°C | 0.860-0.867 g | 0.862 g |
| 3 | Refractive index at 20°C | 1.494-1.497 | 1.496 |
| 4 | Water(by KF) | 0.03 % max | 0.018 % |
| 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 | 0.0009 % |
| 8 | Benzene(C ₆ H ₆) | 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 ₂) | 0.0003 % max | < 0.0003 % |
| 14 | Thiophen Homologues(C ₄ H ₄ 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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