

CERTIFICATE OF ANALYSIS

PRODUCT NAME : n-HEPTANE 99.5% AR


CAS No : 142-82-5
Mol. Formula : C₇H₁₆
Mol. WT : 100.21
Date of analysis : 21/06/25

Product code : 23435
Batch No : MCAR-01599-01
Mfd. : June 2025
Exp. : May 2030

| S.R | Test | Specification | Observation |
|-----|--|---|--|
| 1 | Description | A clear colourless liquid. APHA not greater than 10 HU | A clear colourless liquid. APHA less than 10 HU |
| 2 | Assay (by GC) | 99.5 %min | 99.82% |
| 3 | Wt. per ml at 20⁰C | 0.683 – 0684g | 0.683g |
| 4 | Bromine number | NMT 0.5 | 0.3 |
| 5 | Refractive index at 20⁰c | 1.3880 - 1.3885 | 1.3880 |
| 6 | Miscibility with chloroform and diethyl ether | Passes test | Passes test |
| 7 | Water | 0.02% max | 0.002% |
| 8 | Acidity (CH₃COOH) | 0.0005% max | <0.0005% |
| 9 | Alkalinity(NH₃) | 0.0001% max | <0.0001% |
| 10 | Non-volatile matter | 0.001% max | 0.0008% |
| 11 | Sulphur compounds(CS₂) | 0.0003% max | <0.0003% |
| 12 | Copper (Cu) | 0.00002% max | <0.00002% |
| 13 | Iron (Fe) | 0.00005% max | <0.00005% |
| 14 | Lead (Pb) | 0.00002% max | <0.00002% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Deepa)**



[QC Incharge]



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

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