

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : n-HEPTANE 99.5% AR**

**CAS No : 142-82-5**  
**Mol. Formula : C<sub>7</sub>H<sub>16</sub>**  
**Mol. WT : 100.21**  
**Date of analysis : 15/05/25**

**Product code : 23435**  
**Batch No : MCAR-01599**  
**Mfd. : May 2025**  
**Exp. : April 2030**

S.R	Test	Specification	Observation
1	<b>Description</b>	A clear colourless liquid. APHA not greater than 10 HU	A clear colourless liquid. APHA less than 10 HU
2	<b>Assay (by GC)</b>	99.5 %min	99.82%
3	<b>Wt. per ml at 20<sup>0</sup>C</b>	0.683 – 0684g	0.683g
4	<b>Bromine number</b>	NMT 0.5	0.3
5	<b>Refractive index at 20<sup>0</sup>c</b>	1.3880 - 1.3885	1.3880
6	<b>Miscibility with chloroform and diethyl ether</b>	Passes test	Passes test
7	<b>Water</b>	0.02% max	0.002%
8	<b>Acidity (CH<sub>3</sub>COOH)</b>	0.0005% max	<0.0005%
9	<b>Alkalinity(NH<sub>3</sub>)</b>	0.0001% max	<0.0001%
10	<b>Non-volatile matter</b>	0.001% max	0.0008%
11	<b>Sulphur compounds(CS<sub>2</sub>)</b>	0.0003% max	<0.0003%
12	<b>Copper (Cu)</b>	0.00002% max	<0.00002%
13	<b>Iron (Fe)</b>	0.00005% max	<0.00005%
14	<b>Lead (Pb)</b>	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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