

## 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 : 08/05/25**

**Product code : 23435**  
**Batch No : MCAR-01564**  
**Mfd. : May 2025**  
**Exp. : April 2030**

| S.R | Test   | Specification   | Observation  |
|-----|--|---|--|
| 1   | <b>Description</b>                                   | A clear colourless liquid.<br>APHA not greater than 10 HU | A clear colourless liquid.<br>APHA less than 10 HU |
| 2   | <b>Assay (by GC)</b>                                 | 99.5 %min   | 99.76%   |
| 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   | 1.3882   |
| 6   | <b>Miscibility with chloroform and diethyl ether</b> | Passes test   | Passes test  |
| 7   | <b>Water</b>   | 0.02% max   | 0.005%   |
| 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  | 0.0007%  |
| 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  
(Akash)**



**[QC Incharge]**



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

**MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)**

**Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)**

**Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)**

**Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.**