

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : n-HEXANE 99% AR**

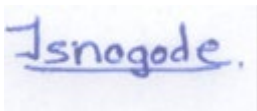
**CAS No : 110-54-3**  
**Mol. Formula : C<sub>6</sub>H<sub>14</sub>**  
**Mol. WT : 86.18**  
**Date of analysis : 31/03/25**

**Product code : 23490**  
**Batch No : MCAR-01414**  
**Mfd. : March 2025**  
**Exp. : Feb. 2030**

S.R	Test	Specification	Observation
1	<b>Description</b>	A clear colourless liquid.	A clear colourless liquid
2	<b>Assay (GC)</b>	99% min	99.27%
3	<b>Wt. per ml at 20<sup>0</sup>c</b>	0.658-0.659g	0.659g
4	<b>Refractive index (n)<sup>20</sup><sub>D</sub></b>	About 1.376	1.376
5	<b>Water</b>	0.05% max	0.003%
6	<b>Non volatile matter</b>	0.001% max	0.0001%
7	<b>Acidity (CH<sub>3</sub>.COOH)</b>	0.0005% max	<0.0005%
8	<b>Alkalinity (NH<sub>3</sub>)</b>	0.0001% max	<0.0001%
9	<b>Bromine no.</b>	NMT 0.5	<0.5
10	<b>Sulphur compounds (CS<sub>2</sub>)</b>	0.005% max	<0.005%
11	<b>Aromatic hydrocarbons (C<sub>6</sub>H<sub>6</sub>)</b>	0.01% max	<0.01%
12	<b>Copper (Cu)</b>	0.000002% max	<0.000002%
13	<b>Iron (Fe)</b>	0.00001% max	<0.00001%
14	<b>Lead (Pb)</b>	0.000002% max	<0.000002%
15	<b>Nikel (Ni)</b>	0.000002% max	<0.000002%
16	<b>Zinc (Zn)</b>	0.00001% max	<0.00001%
17	<b>Substances darkened by H<sub>2</sub>SO<sub>4</sub></b>	Passes test	Passes test

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Jyoti)**



**[QC Incharge]**



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

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