



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 : 21/02/24

Product code : 23435
Batch No : MCRT-30455
Mfd. : Feb. 2024
Exp. : Jan. 2029

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	99.79%
3	Wt. per ml at 20⁰C	0.683 – 0684g	0.683g
4	Bromine number	NMT 0.5	0.36
5	Refractive index at 20⁰c	1.3880 - 1.3885	1.3882
6	Miscibility with chloroform and diethyl ether	Passes test	Passes test
7	Water	0.02% max	0.009%
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]

[QC Incharge]

**CHEMIST
(Asmita)**

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

Note: Computer generated image requires no sign.

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