



CERTIFICATE OF ANALYSIS

PRODUCT NAME : n-HEPTANE 99.5% AR

CAS No	: 142-82-5	Product code	: 23435
Mol. Formula	: C₇H₁₆	Batch No	: MCRT-23280
Mol. WT	: 100.21	Mfd.	: July 2024
Date of analysis	: 09/07/24	Exp.	: June 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	99.74%
3	Wt. per ml at 20⁰C	0.683 – 0684g	0.683g
4	Bromine number	NMT 0.5	0.28
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	0.01%
8	Acidity (CH₃COOH)	0.0005% max	<0.0005%
9	Alkalinity(NH₃)	0.0001% max	<0.0001%
10	Non volatile matter	0.001% max	0.0006%
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
(Asmita)**

[QC Incharge]

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

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