

CERTIFICATE OF ANALYSIS

PRODUCT NAME : 2,2,4-TRIMETHYLPENTANE 99.5% AR
(iso-Octane)

CAS No	: 540-84-1	Product code	: 26753
Mol. Formula	: C ₈ H ₁₈	Batch No	: MCAR-01248
Mol. WT	: 114.23	Mfd.	: Feb. 2025
Date of analysis	: 25/02/25	Exp.	: Jan. 2030

S.R	Test	Specification	Observation
1	Description	A clear, colourless liquid, with characteristic odour	A clear, colourless liquid, with characteristic odour
2	Assay	99.5% min	99.71%
3	Wt. per ml at 20°C	0.691 - 0.693g	0.692g
4	Refractive index (n) ²⁰ _D	1.391 - 1.392	1.391
5	Bromine number	0.5 max.	0.3
6	Water	0.025% max.	0.010%
7	Acidity (CH ₃ COOH)	0.0005% max.	<0.0005%
8	Non-volatile matter	0.002% max.	0.001%
9	Sulphur compound (CS ₂)	0.0003% max.	<0.0003%
10	Copper (Cu)	0.00002% max.	<0.00002%
11	Iron (Fe)	0.00005% max.	<0.00005%
12	Lead (Pb)	0.00002% max.	<0.00002%
13	Substance darkened by H ₂ SO ₄	Passes test	Passes test

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Ruchi)**



[QC Incharge]



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

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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.