

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : iso-Octane (2,2,4-trimethylpentane) AR

Catalog Number : B-3043

Batch Number : 3043-00000000

CAS Number : 540-84-1

Molecular Weight : 114.23 g/mol

Mol. Formula : C₈H₁₈

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Clear colorless liquid with a characteristic odour	Clear colorless liquid with a characteristic odour
2	Assay (GC)	min 99.5 %	99.62%
3	Wt. Per ml at 20 °C	0.691 – 0.693 g/cm ³	0.692 g/cm ³
4	Colour	max 10 Hazen	8 Hazen
5	Identity (IR)	conforms to structure	complies
6	Refractive Index (n ²⁰ _D)	1.391 – 1.392	1.391
7	Non-volatile matter	max 0.001 %	0.0006%
8	Bromine number	max 0.5	0.3
9	Water (H ₂ O)	max 0.025 %	0.014%
10	Acidity (as CH ₃ COOH)	max 0.0003 meq/g	Nil
11	Sulphur compounds (as CS ₂)	max 0.005 %	0.0034%
12	Copper (Cu)	max 0.00002 %	0.000018%
13	Iron (Fe)	max 0.00005 %	0.000041%
14	Lead (Pb)	max 0.00002 %	0.000015%
15	Substance darkened by H ₂ SO ₄	passes test	passes

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC