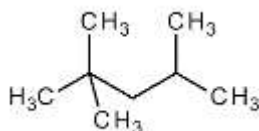


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

ISO-OCTANE AR

2,2,4-trimethylpentane



Product Code	B-3043	Grade	Analytical Reagent
Purity	99,5%	CAS No	540-84-1
Molecular Formula	C ₈ H ₁₈	Molecular Weight	114.23 g/mol
H.S.Code	2901.1000	Shelf Life	48 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Boiling Point	98 – 99°C	Melting Point/ Freezing point (°C)	-107 °C
Flash point	-12 °C	Density (g/cm ³)	0,69 g/cm ³ at 15 °C
Vapour pressure	55 hPa at 21 °C	Explosion limits – upper (%)	6%
Flash point (°C)	-12°C	Explosion limits – lower (%)	1%
Vapour pressure (20 °C)	55 kPa at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	4,6
Relative density	0,692 g/mL at 25 °C		

Packaging

2500 ml

Specification

Appearance	Clear colorless liquid with a characteristic odour
Assay (GC)	min 99.5 %
Wt. Per ml at 20 °C	0.691 – 0.693 g/cm ³
Colour	max 10 Hazen
Identity (IR)	conforms to structure
Refractive Index (n _D ²⁰)	1.391 – 1.392
Non-volatile matter	max 0.001 %
Bromine number	max 0.5
Water (H ₂ O)	max 0.025 %

Acidity (as CH ₃ COOH)	max 0.0003 meq/g
Sulphur compounds (as CS ₂)	max 0.005 %
Copper (Cu)	max 0.00002 %
Iron (Fe)	max 0.00005 %
Lead (Pb)	max 0.00002 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1262

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H410

Precaution Statement: P210-P301 + P310-P331-P370+P378-P403+P235