

Technical Specification

PRODUCT : ISOCTANE RE - ASTM

CODE : 528960

MOLECULAR WEIGHT :114.23

CAS N° : 540-84-1

FORMULA : (CH₃)₃CCCH₂CH(CH₃)₂

TEST	U.M.	SPECIFICATION
Description	-	clear , colourless liquid
Identification (I.R.)	-	Positive
Density d20/4	-	0.687 - 0.697
Refractive index at 20°C	-	1.3885 - 1.3945
Boiling point	°C	98.2 - 100.2
Water (K.F.)	ppm	<= 150
Residue on evaporation	ppm	<= 20
Aromatic compounds	ppm	<= 50
Density at 15°C	kg/m ³	694.0 - 698.0 (*)
Pb	mg/L	<= 0.5
Total sulphur (S)	ppm	<= 10
n-Heptane (ASTM)	% (V/V)	<= 0.10 (*)
Isooctane (ASTM)	% (V/V)	>= 99.75 (*)
Assay (GC)	%	>= 99.5

Suitable for ASTM methods D2700 and D2699.

Density at 15°C according to ASTM method D4052

Lead according to ASTM method D3237

n-heptane and isooctane according to ASTM method D2268

* The analyses marked with (*) were conducted in DIN EN ISO/IEC 17025 accredited producer laboratory

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