

T2940FF	Gold Line
Typical analysis	
Assay (GLC)	98%
Acidity (CH ₃ COOH)	0.005%
Residue on evaporation	0.001%
Sulphur (S)	0.005%
Water (H ₂ O) [Karl Fisher]	0.1%

T2941FF	UV spec
Warranty certificate	
Assay (GLC)	99.5%
Acidity (CH ₃ COOH)	0.002%
Aromatics	0.01%
Residue on evaporation	0.0005%
Substances darkened by H ₂ SO ₄	to pass test
Total Sulphur (S)	0.0005%
Water (H ₂ O) [Karl Fisher]	0.02%

T2942FF	HPLC Line
Warranty certificate	
Assay	min 99.5%
Non-volatile residues	0.0005%
Water (H ₂ O)	0.005%
Acidity (in CH ₃ COOH)	0.002%
Total sulphur	0.0005%
UV transmission	
Quartz cuvette : 1 cm - control standard: water	
70 - 85 - 95 - 97 (Transmission %)	
220 - 230 - 260 - 270 (Wavelength nm)	

Packaging
500ml amber glass bottle
2.5l amber glass bottle

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2.5l amber glass bottle

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Physical properties, composition and data

Chemical formula	(CH ₃) ₃ CCH ₂ CH(CH ₃) ₂ or C ₈ H ₁₈
Chemical group	Hydrocarbons
Synonym	Iso-octane; isobutyltrimethylmethane
Atomic weight	114.23
Weight per litre	0.69kg
Appearance	Clear, colourless liquid
Odour	Odour of gasoline
Miscibility	Miscible with benzene, toluene, xylene, ether, carbon disulphide, chloroform, carbon tetrachloride, dimethylformamide and oils except castor oil
Melting point	-107.45°C
Boiling point	99.2°C
Flash point	-12.2°C
Ignition point	410 - 417°C
Density (g/ml)	0.69194
Hazardous material	Flammable

Laboratory preparation, applications and practices

Laboratory preparation	By refining petroleum
Usage	Analytical reagent. Determining octane numbers of fuels. Spectrophotometric analysis. Solvent and thinner
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information

Storage	Store in a fireproof place
Safety phrases	9-16-29-33-60-61-62
Risk phrases	11-38-50/53-65-67
Disposal methods	14

Transport regulations

Tariff code	2901.10.00
Hazardous class	3
Packing group	II
UN number	1262
ERG number	128

