

IN THE NAME OF GOD



SHIRAZ OIL REFINING CO.

Untreated heavy naphtha

Analysis	Test method	Unit	Limit	Result
Density @ 15.6°C	ASTM D1298	Kg/m ³	749 - 770	760.5
Distillation :				
I.B.P	ASTM D86	°C	Min. 90	96
5% _v	ASTM D86	°C	Report	110
10% _v	ASTM D86	°C	Report	112
20% _v	ASTM D86	°C	Report	117
30% _v	ASTM D86	°C	Report	123
40% _v	ASTM D86	°C	Report	128
50% _v	ASTM D86	°C	Report	133
60% _v	ASTM D86	°C	Report	140
70% _v	ASTM D86	°C	Report	146
80% _v	ASTM D86	°C	Report	153
90% _v	ASTM D86	°C	Report	161
95% _v	ASTM D86	°C	Report	169
F.B.P	ASTM D86	°C	185 max	172
Residue	ASTM D86	Vol%	Report	0.9
Loss	ASTM D86	Vol%	Report	1.2
RVP	ASTM D323	psi	Report	1.2
Total Sulphur	ASTM D4294	Wt.%	0.115 -0.145	0.14
		ppm _{wt.}	1150 -1400	1400
Mercaptan Sulfur	ASTM D3227	Wt.%	Report	0.028
		ppm _{wt.}	Report	280
Research Octane number	ASTM D2699	Number	Report	51
Color Saybolt	ASTM D156	-	Report	30
Chlorine content	ASTM D5808	ppm _{wt.}	Report	< 1
Aromatic content	ASTM D6729	Vol%	Report	15.0
Paraffin content	ASTM D6729	Vol%	Report	58.0
Olefin content	ASTM D6729	Vol%	Report	< 1
Benzene content	ASTM D6729	Vol%	Report	0.7
Oxygenated Compounds	ASTM D6729	Vol%	Report	Not Detected
Nitrogen content	UOP 384	ppm _{wt.}	Report	0.8
Corrosion – 3hrs @ 50°C	ASTM D130	-	Report	1a
Gum existing	ASTM D381	mg / 100 ml	Report	0.4

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IRAN - SHIRAZ – Postal Code 73491-63115 – P.O. BOX 71365-1445

Tel : 0098-71-38217561-9 & 0098-71-38171036-7 (Sales office)

Fax : 0098 -71- 38218282 or 38218774 & 0098-71-38171030 (Sales office)

Website: <http://www.sorc.ir> Email: info@sorc.ir