



IRAN PETROCHEMICAL COMMERCIAL CO.

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LAB SPECIFICATION

Item	Test Method	Unit	Range(guaranteed)	Typical
Specific Gravity at 15°C	ASTM D-4052	Gr./cm3	0.858-0.870	0.864
Average MW	UOP-698 (Ave. MW of Olefins + MW of Benzene)	-----	(237-244)	242.20
Normal Alkyl Benzene	UOP-698	W%	92% min.	92
Bromine Index	ASTM D-1492	Mgr/100gr	15 max.	<10
N-Paraffin content	UOP-698	W%	0.5 max	0.25
Appearance	ASTM D-156	-----	Clear and bright	Clear and bright
Water	ASTM D-6304	Wppm	200 max.	58.00
2- Phenyl Isomer range	Ballestra by GLC	W%	20 max	14.54
Indanes and Tetralins	UOP-698 ecosol method by HPLC	W%	1 max	0.5
Dr. test	ASTM D-4952	-----	Negative	Negative
Sulfonability	Ballestra by GLC	W%	98%min.	98
Saybolt Color	ASTM D-156	-----	29 min.	29
Refractive Index at 20°C	ASTM 1218	-----	1.48-1.49	1.4838
Viscosity at 40°C	ASTM D-88	cp	<20	13
Biodegradability of Sulfonate	ASTM D2667	W%	94% min	99

Estimated composition of LAB

Component	Test Method	Range(guaranteed) W %	Typical W %
C9 Benzene	UOP-698	<1	0.43
C10	UOP-698	<15	3.46
C11	UOP-698	22-42	35.20
C12	UOP-698	22-40	33.10
C13	UOP-698	10-25	20.80
C14	UOP-698	<1	0.11
Non LAB	UOP-698	<7	6.9
Total	UOP-698	100	100.00