

LINEAR ALKYL BENZENE SPECIFICATION

ITEM	TEST METHOD	UNIT	RANGE (GUARANTEE D)	TYPICAL
Specific Gravity at 15°C	ASTM D 4052	Gr./cm ³	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/100 gr	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 D 1218	-----	1.48-1.49	1.4838
Viscosity at 40°C	ASTM D 88	cp	<20	13
Biodegradability of Sulfonate	ASTM D 2667	W%	94% Min.	99

Estimated composition of Linear Alkyl Benzene

COMPONENT	TEST METHOD	RANGE (GUARANTEED) W%	TYPICAL
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

Origin: Iran