

LINEAR ALKYL BENZENE (LAB) SPECIFICATION

PROPERTY	TEST METHOD	SPECIFICATION	TYPICAL VALUE
Density at 15.6°C,gr/cm <sup>3</sup>	ASTM D-4052-96	0.8575-0.8700	0.8602
Saybolt Color	ASTM D-156-00	+29 min	>+30
Bromine Index, mg Br/100gr of Sample	ASTM D-1492-87	15 max	2
Doctor Test	ASTM D-4952-97	Negative	Negative
Moisture ,ppm	UOP 481-91	200 Max	31
Refractive Index at 20°C	ASTM D-1218-99	1.480-1.490	1.484
Total Normal Paraffin ,wt%	UOP 698-93	0.5 Max	0.34
2-Phenyl Alkanes ,wt%	UOP 698-93	20 Max	15.26
Linear Alkyl Benzene, wt%	UOP 698-93	92 Min	92.33
Carbon Distribution, wt% (NON Normalized)	UOP 698-93		
< LAB 10		1 max	0.85
LAB 10		15 max	8.23
LAB 10 + LAB 11		33-51	41.11
LAB 12		22-34	29.92
LAB 13 + LAB 14		15-28	21.30
LAB 14		1 Max	0.11
> LAB 14		0.5 Max	0.41
Average Molecular Weight	UOP 698-93	238-244	241.2
Sulfonatability ,wt%	UOP 429-75	98 Min	99.0
Tetralins ,wt%	ECOSOL , UOP-929-93	1 Max	<0.5
Acid Wash Color, T%	EM 07203	15 Min	52.6

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