

Linear Alkyl Benzen (LAB)

Product Description

Linear Alkyl Benzene (LAB) is widely used as primary cleaning agent in household detergents due to its good biodegradability in the environment. LAB is sulfonated at downstream plants to produce Linear Alkyl Benzene Sulfonic Acid (known as LABSA), which is the most cost-effective surfactant available and mainly used in household laundry and cleaning products. A small proportion of LAB is employed in the manufacture of ink, agricultural herbicides, paint industry, and wetting agents.

Typical Data

PROPERTY	TEST METHOD	VALUE	TYPICAL
Density at 15.6°C , gr/cm ³	ASTM D-4052	0.8575-0.8700	0.8602
Saybolt Color	ASTM D-156	+29 min	>+30
Index , mg r/100gr of Sample	ASTM D-1492	15 max	2
Doctor Test	ASTM D-4952	Negative	Negative
Moisture , ppm	UOP 481	200 Max	31
Refractive Index at 20°C	ASTM D-1218	1.480-1.490	1.484
Total Normal Paraffin , wt%	UOP 698	0.5 Max	0.34
2-Phenyl Alkanes , wt%	UOP 698	20 Max	15.26
Linear Alkyl Benzene , wt%	UOP 698	92 Min	93.1
Carbon Distribution , wt%	UOP 698		
< LAB 10		1 max	0.45
LAB 10		15 max	10.5
LAB 10 + LAB 11		33-51	38.0
LAB 12		26-40	33.0
LAB 13 + LAB 14		15-28	22.1
LAB 14		1 Max	0.11
> LAB 14		0.5 Max	0.27
Average Molecular Weight	UOP 698	238-244	241.4
Sulfonatability , wt%	UOP 429	98 Min	99.0
Tetralins , wt%	ECOSOL, UOP-929	1 Max	<0.5
Acid Wash Color , T%	EM 07203	15 Min	52.6

Above data is based on information provided by Licensor and it is not to be construed as specification.