

Linear Alkyl Benzene (FM-LAB-501)

Famico Trading Limited

Famico is a trading company located in Bristol, UK having some offices in China, Turkey, South Korea. With eighteen years of experience we are supporting our customers through the international network we have established.

Linear Alkyl Benzene (FM-LAB-501)



Application:

Good degradability and Biodegradability of LAB in the environment is the main reason for widespread use of this combination as the primary cleaning agent in household detergents. LAB is suffocated at downstream plants to produce sulfuric acid which is used as the cleaning agent at the rate of 10 to 20 percent in hand washing powder, 5 to 10 percent in machine washing powder and 10 to 40 percent in dish washing liquid.

Also this product is use primarily for the production of sulfuric acid and detergents.

Due to exceptional cost performance profile , proven human safety , and environmental acceptability , alkylbenzene sulfonate (LABS) finds universal application as a major raw material in manufacturing of household and industrial cleaners . More than 80% of LABS production is used in laundry detergents and household cleaners . The most important application products are laundry detergents , dishwashing products and industrial cleaners . LABS is also used as wetting and cleaning agent in textile and leather processing and as emulsifier in emulsion polymerization and formulation of the crop protection agents .

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Technical Data Sheet

Property	Test Method	Specification	Typical Value
Density at 15.6°C, gr/cm ³	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	10 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)			
< LAB 10		1 Max.	0.85
LAB 10		15 Max.	8.23
LAB 10 + LAB 11	UOP 698 - 93	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

Our guarantee is limited to delivery of product in the range of above specifications

We guarantee that our product is biodegradable and its value is 90% minimum according to ASTM D-2667.

We make no guarantee for the results of handling and use of our product beyond our control.

The specification and information of our product contained herein are accurate to the best of our knowledge.

**Linear Alkyl Benzene
(FM-LAB-501)
(C₆H₅)-C_nH_{2n+1}, n=10-13**

CAS Number: 68890-99-3

Know also as: Detergent Alkylate

Physical state under normal conditions and

properties: Colorless, odorless, oily liquid

Physical and chemical properties:

Density at 15.6°C, (gr/cm ³)	0.8575 – 0.8700
Average molecular weight	238 – 244
Flash point (°C)	120 min
Auto ignition temperature (°C)	300
Boiling point (°C)	210 – 310
Vapor pressure at 170°C, (Kg/m ²)	0.01
Solubility in water	Insoluble