



LINEAR ALKYL BENZENE

Company Name : Bisotun Petrochemical Co

LAB is precursor of detergents. This Product at first reacts with SO₃ gas to produce sulfonic alkyl benzene acid. Then this acid reacts with caustic soda to produce sodium alkylbenzene sulfonate. Finally this sulfonate is used as surfactant agent in domestic detergent production.

TEST	UNIT	TEST METHOD	SPECIFICATION
T.N.P	Wt%	UOP-698	0.5 max
LAB9	Wt%	UOP-698	<1
LAB10	Wt%	UOP-698	15 max
LAB11	Wt%	UOP-698	24-44
LAB12	Wt%	UOP-698	22-36
LAB13	Wt%	UOP-698	17-27
LAB14	Wt%	UOP-698	<1
TOTAL LAB	Wt%	UOP-698	92 min
NON LAB	Wt%	UOP-698	<7
LAB14+	Wt%	UOP-698	0.5 max
HAB	Wt%	UOP-698	-
A.M.W	-	UOP-698	238-244
2-PHENYL %	Wt%	UOP-698	20 max
BR.INDEX	Mg/100g	ASTMD1492	10 max
WATER	-	ASTMD6304	200 max
REFRACTIVE.INDEX (20)	ppm	ASTMD1218	1.4800-1.4900
DENSITY (15.6 °C)	gr/cm ³	ASTMD4052	0.8550-0.870
TETRALINE	Wt%	Ecosol Method	1 max
DR TEST	-	ASTMD484	Negative
SULFONABILITY	%	UOP-429	98 min
COLOUR	SYB	ASTMD156	29 min
VISCOSITY (40 °C)	CP	ASTMD444	<10

APPLICATIONS

- Detergent industries.