

# Acid Slurry (LABSA)

Linear Alkyl Benzene Sulfonic Acid

## Product Description

Linear Alkyl Benzene Sulfonic Acid (LABSA) is an anionic surfactant used as a base material for manufacturing detergent powders and liquid cleaners.

## Certificate of Analysis

HSN Code: 3402.11

CAS Number: 85536-14-7

Classification: Anionic Surfactant – Linear ALK

| Parameter                                        | Specification             | Test Method         |
|--------------------------------------------------|---------------------------|---------------------|
| Appearance                                       | Dark brown viscous liquid | Visual              |
| Active Content (LABSA)                           | "e 96.0 %                 | Two-phase Titration |
| Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) | "d 1.5 %                  | Titration           |
| Color (Klett)                                    | "d 50                     | Klett colorimeter   |
| Un sulfonated Matter                             | "d 2.0 %                  | Extraction          |
| Moisture                                         | "d 2.0 %                  | Karl Fischer        |
| Colour (diluted solution)                        | Light amber to yellow     | Visual              |

## Physical Properties

Appearance: Dark brown viscous liquid

Odor: Characteristic acid-like sulfonic acid odor

Solubility: Soluble in water and organic solvents (neutralized form)

Density: ~1.06 g/cm<sup>3</sup>

Packing: 200 kg MS drums (lined); IBC 1000 L containers; ISO tank for bulk

Storage: Store in cool, dry, well-ventilated area. Keep away from bases and water (corrosive reaction). Use MS or HDPE containers.

## Safety & Handling

PPE: Chemical-resistant gloves, face shield, acid-resistant apron

Hazards:

- Corrosive to skin and eyes
- Harmful by inhalation of vapors
- Reacts with bases/water with heat