



TECHNICAL DATA SHEET

- **Product Name:** Sodium Lauroyl Sarcosinate
- **INCI Name:** Sodium Lauroyl Sarcosinate
- **CAS No.:** 137-16-6
- **Molecular Formula:** C₁₅H₂₈NNaO₃
- **Appearance:** White or off-white powder

Product Description

Sodium Lauroyl Sarcosinate is a mild amino acid-based anionic surfactant with excellent foaming, cleansing, emulsifying, and antistatic properties. It is widely used in personal care and cosmetic formulations such as shampoos, facial cleansers, toothpaste, body wash, and other mild cleansing systems.

Technical Specifications

Item	Specification	Test Result
Appearance	White or off-white powder	White powder
Odor	No special odor	Complies
Active Matter (%)	≥95.0%	98.19%
pH (25°C, 10% aqueous solution)	7.5~8.5	8.02
Sodium Laurate	≤4.0%	1.36%
Sodium Chloride Content	≤0.35%	0.27%
Total Bacteria Count	≤100 CFU/g	Complies
Mold & Yeast Count	≤100 CFU/g	Complies
Arsenic (As)	≤2.0 ppm	Complies
Heavy Metals	≤10 ppm	Complies

Properties

- Mild and low-irritation surfactant
 - Excellent foaming and foam stability
 - Good cleansing and emulsifying performance
 - Good compatibility with other surfactants
 - Suitable for sulfate-free formulations
 - Biodegradable and environmentally friendly
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Applications

- Shampoo
 - Facial cleanser
 - Body wash
 - Toothpaste
 - Baby care products
 - Mild cleansing formulations
 - Personal care and cosmetic products
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Recommended Usage Level

- Personal care formulations: 1.0% – 30.0%
 - Actual dosage depends on formulation requirements.
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Storage

Store in a cool, dry, and well-ventilated place. Keep container tightly closed and protected from moisture and direct sunlight.

Shelf Life

24 months when stored properly in original unopened packaging.

Packaging

Standard packaging: 25 kg fiber drum or according to customer requirements.