

Lauric Acid Ethoxylate

Fatty acid ethoxylate, 8–15 moles EO

Product Description

Lauric Acid Ethoxylate is a non-ionic surfactant and emulsifier used in personal care, detergents and textile processing. Available in 8 to 15 moles EO grades.

Certificate of Analysis

HSN Code: 3402.13 CAS Number: 9004-81-3 Classification: Non-ionic Surfactant

Parameter	Specification	Test Method
Appearance	White waxy solid to liquid (grade dependent)	Visual
Active Content	"e 9 9 %	Gravimetric
HLB Value	9–16 (grade dependent)	Calculated
pH (1% solution)	5.5–7.5	USP <791>
Acid Value	"d 5 m g K O H / g	AOCS Cd 3d-63
Saponification Value	Grade dependent (mg KOH/g)	AOCS Cd 3-25
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White waxy solid to liquid (grade dependent)

Molecular Formula: $C_{18}H_{36}O_{10}$

Molecular Weight: Grade dependent (MW: 340–1100 g/mol)

Solubility: Soluble in water (high EO grades); soluble in organic solvents (low EO)

Melting Point: Grade dependent (solid grades: 35–45°C)

Packing: 25 kg cartons (solid); 200 kg HDPE drums (liquid)

Storage: Store in a cool, dry place. Temperature: 10–25°C.

Safety & Handling

PPE: Gloves, safety goggles, lab coat

Hazards:

- Mild irritant
- Environmental hazard