

BEAULIGHT® LCA-25F



Original-
Technology

Sodium Laureth-4 Carboxylate



Anionic Sulfate Free Surfactant
Foam Booster



Derived from Narrow Distribution of
Ethylene Oxide



Low-Irritation to Skin & Eyes



Excellent
biodegradability



BEAULIGHT[®] LCA-25F

Anionic Sulfate Free Surfactant

◆Feature

- Excellent Foaming Property
Derived from Narrow Distribution of Ethylene Oxide
- Low-Irritation to Skin & Eyes
- Highly Compatible with Common Surfactants
- Bio-Degradable
- RSPO certification acquired(Spring 2023).



◆Component

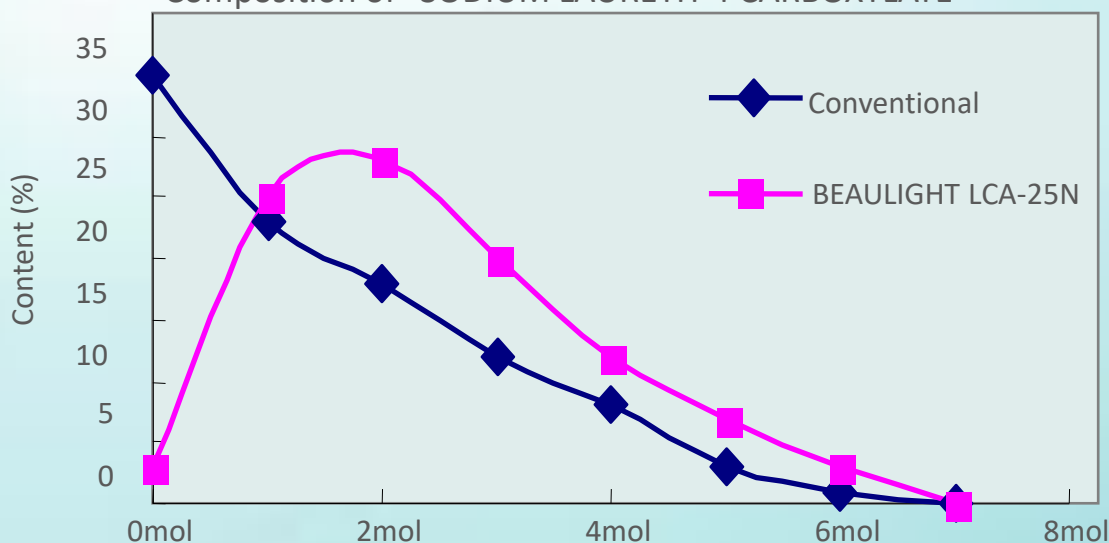
INCI Name	Evaporated residue	Appearance
Sodium Laureth-4 Carboxylate	28%	Liquid, Clear, Colorless to Yellowish

◆Alkylene Oxide Adduct(AOA) Narrowing Technology



($n \approx 3$)

The number of EO adducted
Composition of "SODIUM LAURETH-4 CARBOXYLATE"



■Strengths

- ✓Reduced content of unreacted alcohol
- ✓Sharpened EO addition mole distribution



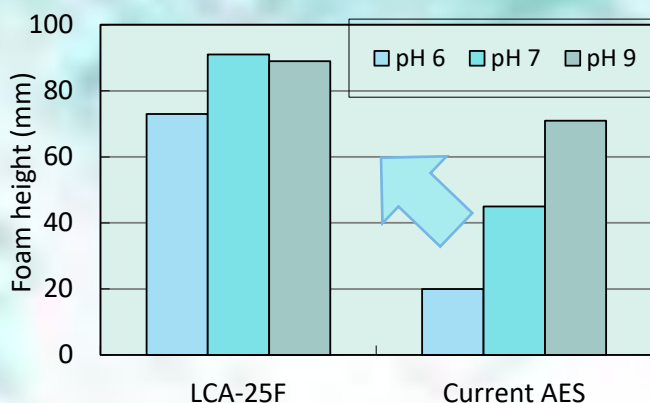
High foaming ability
High thickening effect

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◆ Application Data

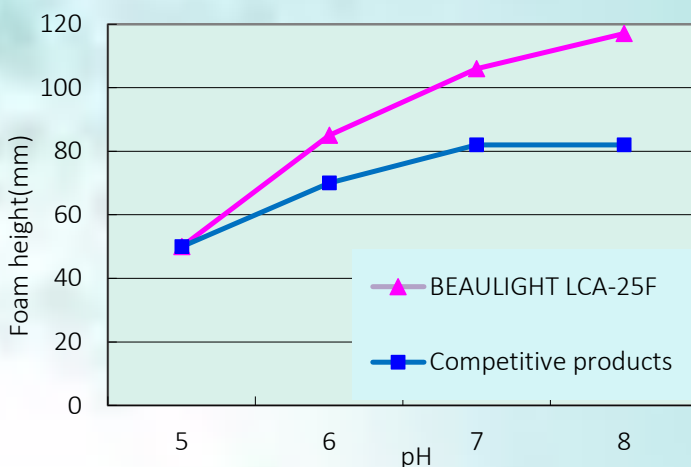
■ Foaming property



Good foaming over a wide pH range

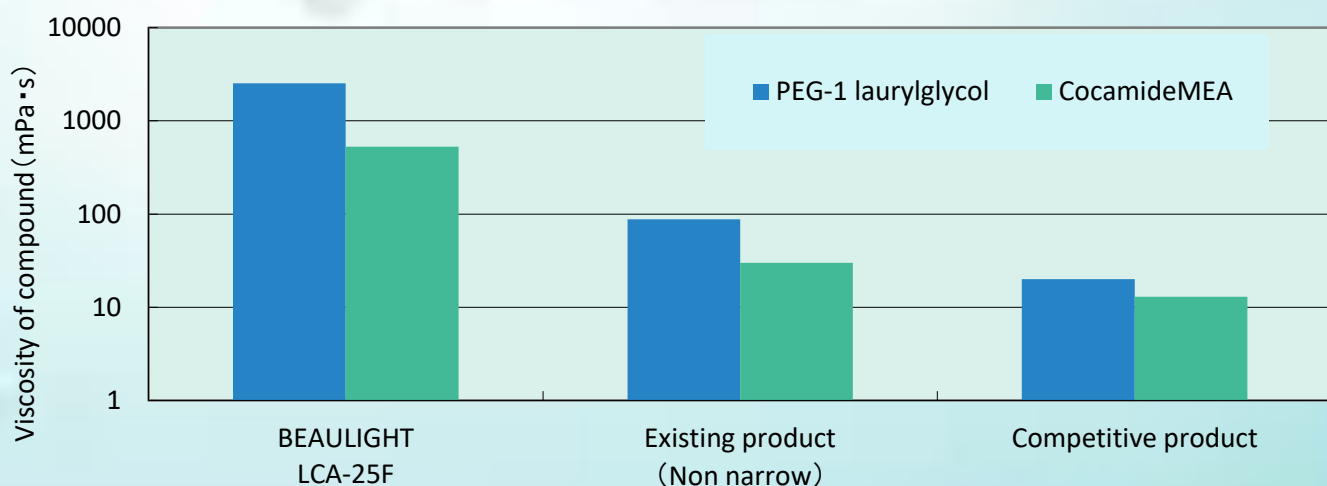
■ Bubbling power

(effective concentration: 0.2%)



All are "INCI: Sodium Laureth-4 Carboxylate",
but BEAULIGHT LCA-25F has
higher foaming power than other products

■ Viscosity of compound



● Combination formula

Ingredients	Concentration of active ingredient (%)
Sodium Laureth-4 Carboxylate	13.0
Cocamidopropyl Betaine	3.0
Thickeners in table	3.0
Total	100.0(pH5.9)

BEAULIGHT LCA-25F has a higher degree of thickening effect than other products.

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◆Formula

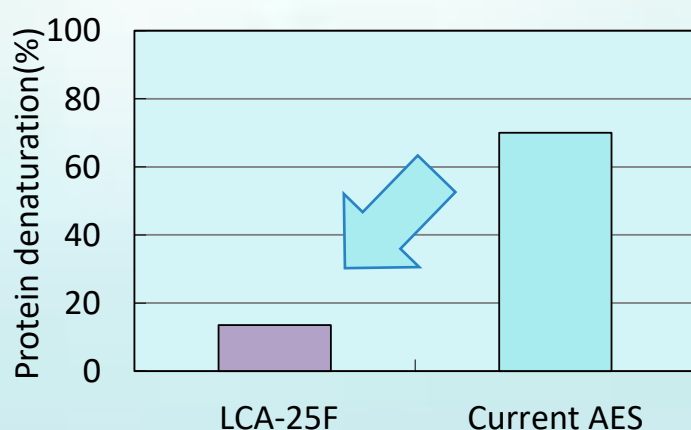
	INCI Name	Sanyo's Product name	Formulation(wt%)
A	Water		45.25
	Citric Acid		0.15
	Cocamidopropyl Betaine	LEBON 2000HG	15
	Sodium Laureth-4 Carboxylate	BEAULIGHT LCA-25F	32
B	PEG-190 Distearate	EMULMIN 862	0.5
	PEG-1 Lauryl Glycol	NEWPOL DDE-10	1
	Sodium Lauryl Glycol Carboxylate	BEAULIGHT SHAA	5
C	Phenoxyethanol		0.5
	-Fragrance-		-0.6-
Total			100.0

●Method

1. Citric acid is dissolved with a portion of water.
2. Heat B to 80°C, and check the dissolution.
3. Add B to water while stirring and heat to 80°C, Add A in the order described.
4. Cool to r.t. and defoam.

◆Safety data

■Protein denaturation



Narrowing contributes to
reduced protein denaturation

◆History

BEAULIGHT LCA-25F has been used by many major Japanese cosmetic manufacturers for 30 years and there have been no complaints.

It is also used in baby-specific products and has a proven track record.

◆IMPORTANT

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