

LAURIC ACID 99 – 100%



General Information

Origin	Malaysia
HS Code	29159090
Cas No.	143-07-7
Appearance	White Powdery Solid

Application

Soap and Detergent Industry	It can react with sodium hydroxide or potassium hydroxide in a reaction known as saponification. The reaction of lauric acid with NaOH would yield a product that is used for solid soap, whereas that with KOH would yield a product that is used for liquid soap manufacture.
Cosmetics Industry	It is used in skincare and beauty products because it possesses anti-microbial and anti-acne properties. It can form monolaurin that is used as a surfactant in cosmetics like deodorant.
Other Applications	It can be used to produce biodiesel which is a renewable, alternative energy. It also has potential medical usage and is used as a lubricant in plastic manufacture.

Specification

Test Description		Limit		Reference Test Method
		Min	Max	
Acid Value	mg KOH/g	278	282	AOCS Te 1a-64/ISO 660
Saponification Value	mg KOH/g	279	283	AOCS Ti 1a-64/ISO 3657
Iodine Value	g I ₂ /100g		0.3	AOCS Cd 1b-87/ISO 3961
Titre	°C	42	44	AOCS Tr 1a-64/ISO 935
Colour, Lovibond 5 ¼", Y	Yellow		1.2	AOCS Cc 13e-92/BS 684:1.14
Colour, Lovibond 5 ¼", R	Red		0.2	AOCS Cc 13e-92/BS 684:1.14
Colour, APHA	Hazen		40	AOCS Td 1b-64/ISO 6271
C10, Capric Acid	%		1.0	AOCS Ce 1e-91/ISO 12966-4
C12, Capric Acid	%	99		AOCS Ce 1e-91/ISO 12966-4
C14, Lauric Acid	%		1.0	AOCS Ce 1e-91/ISO 12966-4

Packaging

Bag 25 Kg