



LAURIC ACID 99%

(N-Dodecanoic Acid)

CAS No., 143-07-7

I. GENERAL

Lauric Acid is saturated linear fatty acid ($C_{12}H_{24}O_2$) of low molecular weight produced by the fractional distillation and hydrogenation of coconut or palm kernel oil fatty acids. It is a pearly white crystalline solid at room temperature; may be found commercially in flake, powder, or pellet form.

II. TYPICAL PROPERTIES

Color, Lovibond 5 ¼”	1.0Y / 0.1R
Acid Value (mg.KOH/gm)	280
Saponification Value	281
Titer, °C	43
Iodine Value (Wijs)	0.2
Composition %	
Capric C10	0.5
Lauric C12	98.5
Myristic C14	0.5

III. SPECIFICATIONS

Color, Lovibond 5 ¼”	1.5Y / 0.2R
Acid Value (mg.KOH/gm)	278 – 282
Saponification Value	279 – 283
Titer, °C	42 – 44
Iodine Value, (Wijs) max.	0.5
Unsaponifiables, % max.	0.2
Moisture, % max.	0.2

IV. APPLICATION

May be used in the manufacture of esters, soaps, emollients, resins, acid chlorides, amides, metallic soaps, or wherever linear monocarboxylic acid reactions are required. Used extensively in the cosmetic and toiletries industry.

V. PACKAGING AND STORAGE

Available in flake form, packaged in 22.68 kg. (50 lb.) net moisture resistance multi-ply bags, palletized and shrink wrapped.

