



Lauroyl Lysine

What is Lauroyl Lysine?

Lauroyl Lysine is one green and safe amino acid powder, which is derived from lauric acid and L-lysine. Lauric acid offers excellent emollient properties and skin-sticking feeling, and L-lysine makes it be insoluble and stable crystals.

Physical information

Product name: Lauroyl Lysine

Synonym: N'-Laruoyl-L-lysine; LL; (S)-2-Amino-6-dodecanamidohexanoic acid;
(2S)-2-amino-6-(dodecanoylamino)hexanoic acid;N6-Lauroyl-L-lysine; L-Lysine,
N6-(1-oxododecyl)-

CAS NO.: 52315-75-0

Chemical formula: C₁₈H₃₆N₂O₃

Molecular weight: 328.49

Solubility: Almost insoluble in water, oils and most organic solvents except strong acid or alkaline solution.

Chemical Properties

Test Item	Specification
Appearance	White powder
Matching rate(IR)	≥98.00%
Assay	≥97.00%
Solubility	Almost insoluble in all solvent types, except for strong acid or alkaline solutions
thermal stability	165℃ for 3 hours, color does not change significantly
Melting Point	229.0-242.0℃
Loss on drying	≤1.00%



Jinan Huashihang Chemical Co., Ltd

Email: sales@hshindustry.com Tel: +86 16666563950 Web: www.hshindustry.com

Add: No.36, South Gongye Road, High-Tech Zone, Jinan City, China

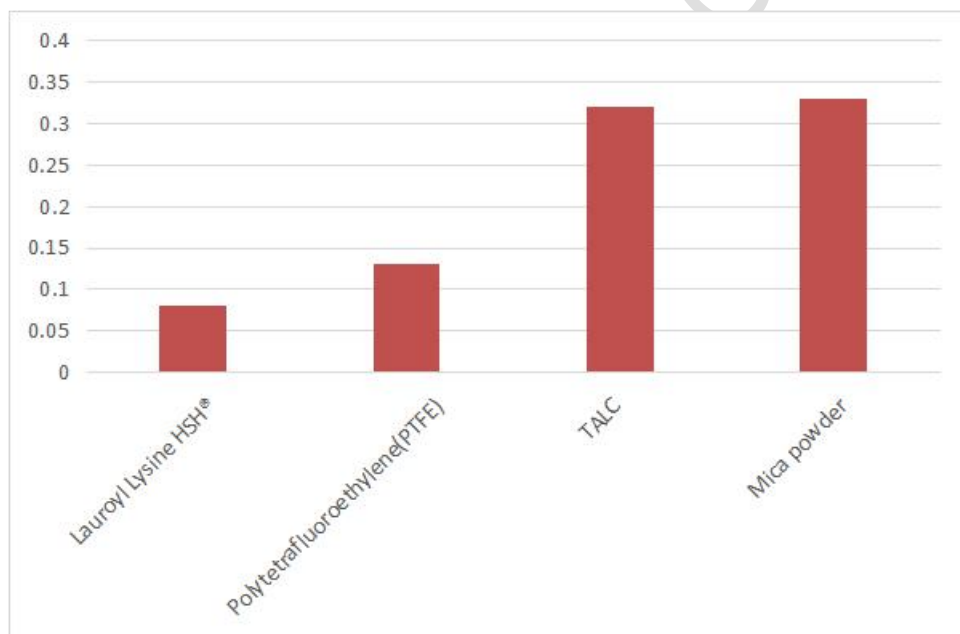
Total colony count	≤ 100.00 cfu/g
Heavy metals	≤ 20.00 ppm
Lead	≤ 10.00 ppm
Cadmium	≤ 5.00 ppm
Arsenic	≤ 2.00 ppm
Mercury	≤ 1.00 ppm

Particle size distribution

Lauroyl Lysine HSH[®] has smooth and and silky feeling with good emollient properties. It is more used for enhancing texture.

Type	D10(μ m)	D50(μ m)	D90(μ m)	$\leq 10\mu$ m	10-45 μ m	$\geq 45\mu$ m
HSH [®] LL	5.63	20.20	41.18	20.13	72.93	6.94
others	5.98	20.76	41.83	18.79	73.86	7.35

Friction coefficient compare



Lauroyl Lysine provides low friction coefficient, which delivery silky skin feel.



Jinan Huashihang Chemical Co., Ltd

Email: sales@hshindustry.com Tel: +86 16666563950 Web: www.hshindustry.com

Add: No.36, South Gongye Road, High-Tech Zone, Jinan City, China

Packing

25kg/drum

Features

amino acid powder,natural,Non-animal origin

Biodegradable

excellent emollient, low friction coefficient, silky feeling

good skin adhere, water resistance

Hide pores, improve skin texture

Surface modification

Uses

Lauroyl Lysine is widely used in cosmetics especially beauty products or makeup,including setting powder, sunscreen, skin and hair conditioning agents.

Huashihang Chemical