

TECHNICAL DATA SHEET

SpecWhite® NFA (Ferulic Acid)

Product No.: 110011-1

Introduction:

SpecWhite® NFA is Ferulic Acid, it's a white or off white crystalline powder hydrolyzed and refined from natural ferulic acid esterase. The plant origin is rice bran. Ferulic acid has a good effect on diminishing inflammation, acesodyne, preventing thrombosis, preventing free radical and adjusting immune system. It also has strong antioxidant properties that make it especially useful in the formulation of anti-aging cosmetics. Ferulic acid is excellent at neutralizing free radicals, especially the free radicals known as "superoxide", "hydroxyl radical" and "nitric oxide". Interestingly, antioxidant activity of Ferulic Acid is boosted by exposure to UV light, indicating it may be helpful in protecting skin from sun damage.

Composition:

INCI Name: Ferulic Acid

CAS No.: 1135-24-6

EC No.: 214-490-0

Specification:

Items	Specification
Appearance	White or off- White powder
Assay	≥ 98%
Loss on drying	≤ 1.0%
Smell	Rice bran oil-specific, no peculiar smell
Melting point	169℃ - 174℃
Sulfated ash	≤ 5%
Lead	≤ 10 mg/kg
Arsenic	≤ 2 mg/kg
Mercury	≤ 1 mg/kg

Version:4.0

Revision date: 2022.05.11

Cadmium	≤ 5 mg/kg
Total plate count	≤ 100 cfu/g
Yeast & mould	≤ 100 cfu/g
Salmonella	Negative in 10 g
Escherichia coli	Negative in 1 g
Pseudomonas Aeruginosa	Negative in 1 g
Staphylococcus aureus	Negative in 1 g
Candida albicans	Negative in 10 g

Application:

Anti-wrinkle, anti-aging, anti-oxidant and etc.

Recommended Dosage:

0.2 - 4.0%

Storage:

Store at room temperature. Keep container tightly closed in a dry and well-ventilated place.

Shelf life:

2 years

Package:

1Kg, 5Kg

Version information:

Version 4.0: Add available data for control index of heavy metals, such as Lead, Arsenic, Mercury and Cadmium.

Issued by: *Lilia* Inspector *Lily Wang* Issued Date: May. 11, 2022