

# N-Acetyl-L-Glutamine

INCI Name: Acetyl Glutamine

CAS Numbers: 2490-97-3



## Description:

N-Acetyl-L-Glutamine prevents skin aging and improves wrinkles by eliminating oxidizing substances, biosynthesizing collagen, promoting cell proliferation, and keratin hydration. The cosmetic composition of N-Acetyl-L-Glutamine includes an emulsifier. The emulsifier is monooleic acid ester or glycerol monostearin acid ester.

## Technical Data:

Item	Specification
Description	White crystals or crystalline powder
Identification	Meets the requirements
Specific Rotation $[\alpha]_D^{20}$	-11.5° to -13.0°
State of Solution	Not less than 95.0%
Chloride (Cl)	Not more than 0.04%
Ammonium (NH <sub>4</sub> )	Not more than 0.10%
Sulfate (SO <sub>4</sub> )	Not more than 0.048%
Iron (Fe)	Not more than 30ppm
Heavy Metals	Not more than 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	Not more than 2ppm
Other Amino Acids	No spot

Item	Specification
Loss on Drying	Not more than 0.6%
Residue on Ignition	Not more than 0.2%
Assay	98.0% to 101.0%
pH	1.7 to 2.8
Mesh Size	20 mesh
Bulk Density	0.45g/ml to 0.60g/ml
Tapped Density	0.65g/ml to 0.80g/ml
Total Plate Count	< 1000cfu/g
Yeast & Mold	< 100cfu/g
E. coli	Negative
Salmonella	Negative

## Applications:

N-Acetyl-L-Glutamine is used in lipstick products, foundations, antiperspirant/ deodorant products, anti-aging products, moisturizers, sunscreens, concealers, blush products, facial cleansers, creams, skin fading/ lightener products, mask products, styling gels, and lotions.



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