

Niacinamide USP

Niacinamide (nicotinamide) is a water-soluble vitamin B3 ingredient used in topical cosmetic development. Compare the proposed grade by identity, assay basis and residual nicotinic acid, then qualify it in the intended formula.

Material identity

Ingredient identity	Nicotinamide
CAS reference	98-92-0
Catalog appearance	White crystalline powder

Catalog technical specifications

The following are published catalog reference specifications, not analytical results for a supplied lot. Confirm the current specification, method and batch COA before approval.

Assay (dry basis)	>= 99.0% (typ. 99.8%)
Residual nicotinic acid	< 0.1%
Moisture (KF)	<= 0.5%
Heavy metals (Pb)	<= 10 ppm
Total plate count	<= 100 CFU/g
Particle size	80 mesh, 95% pass
Shelf life	36 months, sealed drum

Selection and qualification

What to check for this grade

01. Confirm the assay basis and method, and distinguish a release limit from a typical value.
02. Review residual nicotinic acid and the applicable specification with the quality team.
03. Assess dissolution, pH, processing and preservation in the intended serum, toner or emulsion.

Dry powder vs Solutions or premixes

Compare powder assay and moisture with active content and the complete carrier composition of a premix.

Does USP in the name establish suitability for my formula?

No. Request the current specification and supporting monograph documentation, then assess the supplied grade against your formula and destination-market requirements.

Prepare the sample and purchasing brief

Provide the intended formula format, destination market, trial quantity and acceptance criteria. Request the current COA, SDS and TDS, full composition, and relevant storage and handling instructions. Confirm pricing, order minimum, stock, packaging and delivery terms for the actual order.

Catalog handling reference

Packaging	25kg fiber drum, PE liner
Storage	Ambient
Shelf life	36 months, sealed drum

Product details and current enquiry options

[Cosmetic raw material buying guide](#)

[Contact RAWESS about this grade](#)

For ingredient evaluation in cosmetic development. This guide is not a batch COA or a finished-product safety, efficacy or regulatory approval. Trade-name comparisons do not establish branded origin.