

Niacinamide Feed Grade



PRODUCT INFORMATION

P. 1 / 2

Description Niacinamide Feed Grade (Nicotinamide Feed Grade) is a practically white, crystalline powder. It has a low dust content, is free-flowing and of a high bulk density, being therefore characterized by good handling properties.
Active content is minimum 99.5 %.

CAS-Nr. 98-92-0

Product data **Specified values**

Active content	min. 99.5 %
Water	max. 0.10 %
Sulphated ash	max. 0.80 %

Typical values

Molecular weight	122.1
Bulk density	700 kg/m ³ +/- 10 %
Angle of repose	approx. 30 °
Particle size	max. 10 % < 100 µm
	min. 75 % 100-630 µm
	0% > 800 µm
pH (1 % in water)	5.5 - 6.0
Melting range	124 - 127 °C
Solubility	approx. 700 g / 1000 g water at 20 °C

Use Niacinamide Feed Grade is a form of Vitamin B3 (Nicotinamide, Vitamin PP, Pyridine-3-carboxamide) and approved for use in all animal species by the EU-Feed Law. As an important precursor in the energy metabolism, niacinamide is indispensable for securing optimum performance. In addition to covering the basic requirements, high dosages frequently exert positive effects, e.g. on health and performance of dairy cows.

Processing Niacinamide Feed Grade can be processed into premixes, mineral and compounds feeds by any technical procedure. Because of its extremely high solubility in water it is particularly suitable for use in milk replacers. Its technical properties guarantee homogeneous mixability and stability against demixing.

Niacinamide does not provoke the "flushing effect" (reddening of skin and face, heat sensation), which is well-known from nicotinic acid, and which is very uncomfortable for the affected person. Therefore, in this respect, niacinamide has a particular advantage in handling.

Storage and stability Niacinamide Feed Grade should be kept cool and dry in well-closed original packaging. Under these conditions, its active content is - contrary to many other vitamins - exceptionally stable. A best-use-before date for guaranteed is included in the package labelling information ('EXP').

With prolonged storage under unfavourable conditions, such as fluctuating temperatures and under pressure, niacinamide may tend to cake. To maintain its advantageous handling properties, usage is recommended within 2 years after manufacturing. Furthermore, temperature fluctuations, high humidity and stacking of pallets should be avoided during storage.

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PRODUCT INFORMATION

P. 2 / 2

Packaging 25 kg polyethylene bag with aluminium lining
500 or 1000 kg polypropylene big bag with aluminium lining

Handling, safety and environment Niacinamide Feed Grade can be handled safely. According to EU chemicals legislation, it is non-toxic, and, if correctly handled, it does not irritate the skin. In particular, it does not provoke the "flushing effect" (reddening of face and skin, heat sensation), that is well known from nicotinic acid. Skin sensitization has never been reported, and is unlikely to occur. However, if niacinamide comes into contact with eyes or mucous membranes, it may lead to irritations. Consequently, it is labelled as "irritating" according to the Chemicals Act (Xi, R36: "Irritating to the eyes"). Therefore, the usual regulations for safety and hygiene concerning the handling of chemicals should be followed.

In accordance with the German Water Pollution Assessment Scheme, the product is attributed to water pollution Class 0, which means that the product in general has no water polluting potential.

For additional information, please note our safety data sheet.

Transportation Niacinamide Feed Grade is non-hazardous according to the international transportation regulations.
