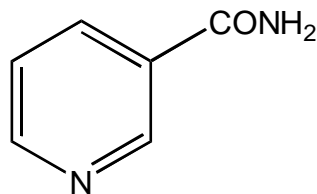


Niacinamide Free Flowing

Technical Data Sheet



Product Identification	Synonyms	Nicotinamide
	CAS No.	98-92-0
	Molecular Formula	C ₆ H ₆ N ₂ O
	Molecular Weight	122.13
Specifications	See Page 2	
Physical Properties	Property	Value
	Appearance, State & Odor	A dry mixture of Niacinamide USP/ FCC Fine Granular with up to 0.5% colloidal silica (Aerosil® 200). A clean white, free-flowing powder with little or no odor.
Packaging	50 kilogram drum	
Applications	Human Nutrition	

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Specifications

Assay (dry basis)	98.5 - 101.5% C ₆ H ₆ N ₂ O
Residue on Ignition	0.3 - 0.6% maximum
Identification	A. Infrared spectrum matches that of a similar preparation of USP Niacinamide Reference Standard. B. Ultraviolet spectrum matches that of a similar preparation of USP Niacinamide Reference Standard $0.63 \leq A_{245}/A_{262} \leq 0.67$
Melting Range	128-131°C
Loss on Drying	0.5% maximum
Heavy Metals	30 ppm maximum (as Pb)
Lead	2 ppm maximum
Readily Carbonizable Substance	Color no greater than that of Matching Fluid A
Chloride	Passes test (JP)
Sulfate	Passes test (JP)
pH (5% aqueous solution)	6.0 to 7.5 (JP)
Appearance (20% solution in water)	Clear and colorless
Related Substances (TLC)	Passes test (EP)

Niacinamide Fine Granular USP/ FCC meet all specifications for niacinamide as per most current USP, EP, FCC, and JP standards. It has been granulated to ease its handling characteristics.

“USP/ FCC” as used herein designates only compliance with the analytical specifications for Niacinamide set forth in the current USP, EP, FCC, and JP standards and is not a statement regarding manufacturing process.

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