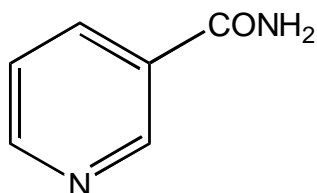


Niacinamide USP/FCC Fine Granular

Technical Data Sheet



Product	Synonyms	Nicotinamide
Identification	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 Appearance, State & Odor	Value White crystalline powder, with little or no odor.
Packaging	25 kilogram box	
Applications	Human Nutrition.	

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Specifications

Assay	A. 98.5 - 101.5% C ₆ H ₆ N ₂ O (dry basis) B. 99 - 101%, (EP)
Residue on Ignition (Sulfated ash)	0.1% 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 (Silica Gel, 4 hrs.)
Heavy Metals	30 ppm maximum (as Pb)
Lead	2 ppm maximum
Readily Carbonizable Substances	Color no greater than 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)
Particle Size	>99% through 30 mesh <10% through 100 mesh

Niacinamide USP/ FCC Fine Granular 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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