



NIACINAMIDE, U.S.P. / FCC - FINE GRANULAR
(NICOTINAMIDE, E.P.)

Effective Date: 7/01/08
Supercedes: 10/01/06

Specification #: 16655
Version: 5
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DESCRIPTION **CAS: 98-92-0**

Niacinamide is a white, nearly odorless, crystalline powder which is soluble in water, alcohol, and glycerin.

SPECIFICATIONS **TEST METHOD**

Assay	A. 98.5 - 101.5% C ₆ H ₆ N ₂ O (dry basis) USP <621>	RII 92-17
	B. 99 - 101%, EP <47, V4: 2.2.20>	RII 93-17
Identification	A. Infrared spectrum matches that of a similar preparation of USP Niacinamide Reference Standard	(a) RII 93-12
	B. Ultraviolet spectrum matches that of a similar preparation of USP Niacinamide Reference Standard 0.63 ≤ A ₂₄₅ /A ₂₆₂ ≤ 0.67	(b) RII 93-13
Melting Range	128-131°C, USP <741>	RII 93-08
Loss on Drying	0.5% Maximum (Silica Gel, 4 hrs), USP <731>	RII 93-14
Readily Carbonizable Substances	Color no greater than Matching Fluid A, USP <271>	RII 93-16
Residue on Ignition (Sulfated ash)	0.1% Maximum, USP <281>	RII 93-07
Heavy Metals	20 ppm Maximum (as Pb), USP <231>	RII 93-15
Lead	2 ppm Maximum <FCC>	RII 04-07
Residual Solvents	Meets USP Requirements USP <467>	RII 91-13
Particle Size	>99% through 30 mesh	RII 93-19
	<10% through 100 mesh	

* This material meets all tests for niacinamide as per current USP requirements. Also meets E.P., F.C.C., and J.P. It has been granulated to ease its handling characteristics.

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