



318 Half Day Rd, PMB 348, Buffalo Grove, IL 60089

Specification Sheet

Product : Niacinamide (Vitamin B3)

Description	Specifications	
	Min	Max
Description and Solubility	White Crystalline Powder ("Is odorless or practically so, and has a bitter taste.") Its solutions are neutral to litmus. Freely soluble in water and in alcohol. Soluble in glycerin.	
Identification		
– IR Test	IR absorption spectrum of the sample should be concordant with the spectrum obtained with Niacinamide working standard.	
– UV Test	UV spectrum of the sample should be concordant with that of working standard spectrum. The A245/A262 ratio is 0.63–0.67	
Melting Range, °C	128	131
Loss on Drying, Over Silica gel for 4 hr. % w/w	NMT 0.50	
Residue on Ignition, % w/w	NMT 0.10	
Readily carbonizable substances	The sample solution has no more color than Matching Fluid A	
Assay by HPLC % w/w	NLT 98.5 and NMT 101.5 of Niacinamide (C ₆ H ₆ N ₂ O), calculated on the dried basis.	

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