

**LASONS INDIA PRIVATE LIMITED**

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**Certified:**  
 An ISO 9001:2008 Company  
 Govt. Recognised Star Export House  
 Fami QS  
 Star K-Kosher (USA)  
 Halal (MUI, Indonesia)



## Quality control Laboratories

## Certificate of Analysis

Name Of Product: Nicotinamide EP Granules		Date Of Mfg : January 2011	
Batch No. : 11-0001 A		Date Of Exp : December 2015	
Batch Size : 1000 kg		Date Of Sampling: 21.01.2011	
Qty. Dispatched : 1000 kg		Date Of Analysis : 25.01.2011	
A . R . No. : LF-0015 A -11		Qty. Sampled : 150 g	
CAS No. : 98-92-0		Mfg. Lic. No. : 823	
Sr.No.	Tests	Specifications	Observation
1.	Description	A white, crystalline powder or colorless crystals.	White, crystalline powder.
2.	Solubility	White or almost white crystalline powder or colourless crystals	Complies
3.	Identification	A. By Melting point 128°C to 131°C B. By infrared absorption spectrophotometry C. By Chemical test (Ammonia is evolved) D. By chemical test (Yellow color develops)	129°C to 130°C Complies Complies Complies
4.	Solution S	Dissolve 2.5 gm in carbon dioxide free water and dilute to 50 ml with same solvent	Complies
5.	Appearance of solution	Solution S is clear and not more intensely colored than reference solution BY <sub>7</sub>	Complies
6.	Related substances (By T.L.C.)	Any secondary spot in the chromatogram obtained with the test solution, apart from the principal spot is not more intense than the spot in the chromatogram obtained with the reference solution (0.25%)	Complies
7.	Heavy metals	NMT 30 ppm	Less than 30 ppm
8.	Loss on drying	NMT 0.5%	0.30%
9.	Sulphated ash	NMT 0.10%	0.044%
10.	Assay by titration	NLT 99.0% and NMT 101.0% (on dried basis)	99.68%
11.	Particle size	Minimum 98% passes through 20 mesh Maximum 10% passes through 100 mesh	Complies

OPINION: The sample complies as per the test mentioned in EP and additional tests

Analyzed by  
 Anmol Adsul  
 21/02/2011

Checked by  
 Jitendra Bharadwaj  
 02-02-2011

Approved by  
 Dipali Thakur  
 21/2/2011

Factory: C-18, MIDC Taloja, 410 208 New Mumbai, Dist.- Raigad