


Quality control Laboratories

Certificate of Analysis

Name Of Product : Nicotinamide USP Granules	Date of Mfg: May 2011
Batch No. : 11-0168	Date of Exp: April 2016
Batch Size : 1000 kg	Date of Sampling: 01.06.2011
Qty. Dispatched : 1000 kg	Date of Analysis: 05.06.2011
A . R . No. : LF-0179-11	Qty. Sampled: 150 g
CAS No. : 98-92-0	Mfg. Lic. No. : 823

Sr.No.	Tests	Specifications	Observation
1.	Description	White Granules	Complies
2.	Solubility	Freely soluble in water and in ethanol.	Complies
3.	Identification	Test A – Infrared absorption B - Ultraviolet Absorption	Complies Complies
4.	Melting Range	128 ⁰ C to 131 ⁰ C	128 ⁰ C to 129 ⁰ C
5.	Loss On Drying	Max. 0.50%	0.31%
6.	Residue On Ignition	Max. 0.1%	0.042%
7.	Heavy Metals	Max. 0.003%	Complies
8.	Readily Carbonizable Substances	By chemical test (the solution has no more color than matching Fluid A.)	Complies.
9.	Assay by HPLC (on dried basis)	NLT 98.5% and NMT 101.5% of C ₆ H ₆ N ₂ O	99.72%
10.	Particle size	Min. 98.0% passes through 20 mesh Max. 10% passes through 100 mesh	Complies Complies

OPINION: The sample complies with USP 32 and additional specifications.

Analyzed by 
Girish Patil 05-06-2011

Checked by 
Jitendra Bhardwaj 05-06-2011

Approved by 
Dipati Thakur 05-06-2011

