

Quality Control Laboratories

Certificate of Analysis

Name Of Product : Nicotinic acid USP Granules	Date of Mfg : July 2011
Batch No. : 11-1690	Date of Exp : June 2016
Batch Size : 1000 kg	Date of Sampling: 18.07.2011
Qty. Dispatched: 1000 kg	Date of Analysis : 22.07.2011
A. R. No. : LF-1686-11	Qty. Sampled : 150 g
CAS No. : 59-67-6	Mfg. Lic. No. : 823

Sr.No.	Tests	Specifications	Observation
1.	Description	White granules.	Complies
2.	Solubility	Sparingly soluble in water; freely soluble in boiling water, in boiling alcohol, and in solutions of alkali hydroxides and carbonates; practically insoluble in ether	Complies
3.	Melting point	Melts at about 235.0°C	236.0°C to 237.0°C
4.	Identification	A. By infrared absorption B. Ultraviolet absorption	Complies Complies
5.	Loss on drying	NMT 1.0%	0.36%
6.	Residue on ignition	NMT 0.1%	0.044%
7.	Chloride	NMT 0.02%	Less than 0.02%
8.	Sulfate	NMT 0.02%	Less than 0.02%
9.	Heavy metals	NMT 0.002%	Less than 0.002%
10.	Ordinary impurities	As per USP	Complies
11.	Assay (on dried basis)	NLT 99.0% and NMT 101.0% as C ₆ H ₅ NO ₂	99.66%
12.	Particle size	Min. 98.0% passes through 20 mesh Max. 10% passes through 100 mesh	Complies Complies

OPINION: The sample Complies with the tests mentioned in USP 32 & additional tests.

Analyzed by
Poonam Nalawade
22/07/2011



Checked by
Jitendra Bhardwaj
22-07-2011



Approved by
Dipali Thakur
22/7/2011



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