

Quality control Laboratories

Certificate of Analysis

Name of Product : Nicotinic Acid USP Powder		Date of Mfg : July 2011	
Batch No. : 11-1604		Date of Exp : June 2016	
Batch Size : 500 kg		Date of Sampling : 07.07.2011	
Quantity dispatched : 500 kg		Date of Analysis : 09.07.2011	
A . R . No. : LF-1632-11		Quantity sampled : 150 g	
CAS No. : 59-67-6		Mfg. Lic. No. : 823	
Sr.No.	Tests	Specifications	Observation
1.	Description	White powder.	White powder.
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%	0.30%
6.	Residue on ignition	NMT 0.1%	0.045%
7.	Chloride	NMT 0.02%	Less than 0.02%
8.	Heavy metals	NMT 0.002%	Less than 0.002%
9.	Sulphate	NMT 0.02%	Less than 0.02%
10.	Ordinary impurities	As per USP	Complies
11.	Assay (on dried basis)	NLT 99.0% and NMT 101.0% of C ₆ H ₅ NO ₂	99.67%
12.	Particle size	99.5% passes through 100 mesh	Complies
OPINION: The sample Complies with the tests mentioned in USP 32 & additional tests.			
Analyzed by Girish Padil		Checked by Jitendra Bhardwaj	Approved by Dipali Bhakur

