

Quality control Laboratories

Certificate of Analysis

Name Of Product: Nicotinamide BP Powder		Date of Mfg : July 2011	
Batch No. : 11-0212		Date of Exp : June 2016	
Batch Size : 600 kg		Date of Sampling: 04.07.2011	
Qty. Dispatched : 600 kg		Date of Analysis : 12.07.2011	
A . R . No. : LF-0213-11		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	Freely soluble in water and in ethanol	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)	128°C to 129°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 ₇	Complies
6.	pH	6.0 to 7.5 determined on solution S	6.32
7.	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
8.	Heavy metals	NMT 30 ppm	Less than 30 ppm
9.	Loss on drying	NMT 0.5%	0.31%
10.	Sulphated ash	NMT 0.10%	0.039%
11.	Assay by titration	NLT 99.0% and NMT 101.0% (on dried basis)	99.71%
12.	Particle size	100% passes through 80 mesh	Complies
OPINION: The sample complies as per the test mentioned in BP 2009 and additional tests			
Analyzed by Neejam Bonde <i>Nilam</i>		Checked by Jitendra Bhardwaj <i>Jitendra</i>	Approved by Dipak Thakur <i>Dipak</i>