

Quality Control Laboratories

Certificate of Analysis

Name Of Product : Nicotinamide Powder Cosmetic grade (Ph.Eur./ U.S.P.)		
Batch No. : CA-009	Date Of Mfg : June 2011	Date Of Exp : May 2016
Batch Size : 500 kg	Date Of Sampling : 01.06.2011	
Sample quantity : 100 g	Date Of Analysis : 02.06.2011	
A . R . No. : LF-0333-10	Qty. Sampled : 150 g	
CAS No. : 98-92-0	Mfg. Lic. No. : 823	

Sr.No.	Tests	Specifications	Observation
1.	Description	White crystalline powder	Complies
2.	Solubility	As Per Ph.Eur /U.S.P.	Complies
3.	Identification	Test A, B, C & D (As per Ph.Eur.)	Complies
4.		Test A & B (As per U.S.P.)	Complies
5.	Melting Range	128 ⁰ C to 131 ⁰ C	129 ⁰ C to 130 ⁰ C
6.	Appearance of 5% Solution	Solution is clear and colorless.	Complies
7.	pH 5.0 % w/v solution	6.0 to 7.5	6.66
8.	Related Substances	Any spot in the chromatogram obtained with the test solution, apart from the principal spot, is not more intense than the spot in the reference solution. (0.25%) (As per Ph.Eur.)	Complies.
9.	Free niacin	Max. 200 mg/kg	120 mg/kg
10.	Heavy Metals:	Max. 20 ppm	Complies
11.	Lead	Max. 2 ppm	Complies
12.	Water	Max. 0.1%	0.09%
13.	Sulphated ash (residue on ignition)	Max 0.1%	0.041%
14.	Readily Carbonizable Substances	Dissolve 200 mg in 5 ml sulphuric acid Ts. solution is no more color than matching fluid A.	Complies
15.	Residual solvents	Absence of any residual solvent	Complies
16.	Assay On Dried Basis	99.0% to 101.0 % as C ₆ H ₆ N ₂ O (As per Ph.Eur.) 98.5% to 101.5% as C ₆ H ₆ N ₂ O (As per U.S.P.)	99.67% 99.55%
17.	Fineness (Particle size)	Minimum 90% through 100 mesh	Complies

OPINION: The sample Complies as per the test mentioned in USP - 32 & Ph.Eur 6.0

Analyzed by
Poonam Chawade

Poonam
02/06/2011

Checked by
Jitendra Bhardwaj

Jitendra
2/6/2011

Approved by
Dipali Thakur

Dipali
2/6/2011

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