
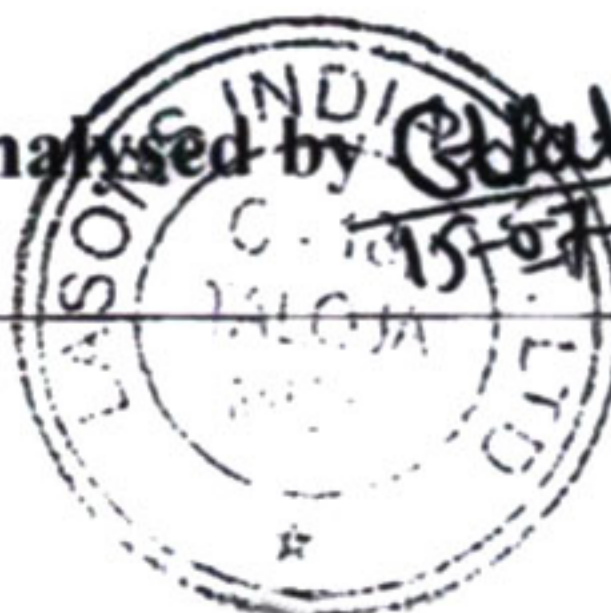




Quality Control Laboratories

**Certificate of Analysis**

<b>Name Of Product : Nicotinamide IP</b>		<b>Date Of Mfg : July 2011</b>	
<b>Batch No. : 11-0233</b>		<b>Date Of Exp : June 2016</b>	
<b>Batch Size : 500 kg</b>		<b>Date Of Sampling : 14.07.2011</b>	
<b>Qty. Dispatched : 500 kg</b>		<b>Date Of Analysis : 15.07.2011</b>	
<b>A . R . No. : LF-0233-11</b>		<b>Qty. Sampled : 150 g</b>	
<b>CAS No. : 98-92-0</b>		<b>Mfg. Lic. No. : 823</b>	
Sr.No.	Tests	Specifications	Observation
1.	Description	Colorless crystals or a white, crystalline powder.	Complies
2.	Solubility	Freely soluble in water and in ethanol (95%), slightly soluble in chloroform and in ether.	Complies
3.	Identification	B. By heating pyridine is evolved C. By Chemical test (Ammonia is evolved) D. By chemical test (Golden yellow colour develops)	Complies Complies Complies
4.	Appearance of solution	A 5.0% solution in carbon dioxide free water is clear and not more intensely colored than reference solution BYS7	Complies
5.	pH	6.0 to 7.5 determined in 5% w/v solution	6.50
6.	Related substances (By T.L.C.)	Any secondary spot in the chromatogram obtained with the test solution is not more intense than the spot in the chromatogram obtained with the reference solution. (0.02%)	Complies
7.	Heavy metals	NMT 30 ppm	Less than 30 ppm
8.	Chlorides	NMT 250 ppm	Less than 250 ppm
9.	Sulphates	NMT 125 ppm	Less than 125 ppm
10.	Sulphated ash	NMT 0.10%	0.041%
11.	Loss on drying	NMT 0.50%	0.35%
12.	Assay by titration	NLT 99.0% and NMT 101.0% (on dried basis)	99.72%

**OPINION:** The sample complies with IP 2007 specification.

Analysed by   
15-07-2011  


Checked by   
15-07-2011  


Approved by   
15-07-2011  
