

Quality control Laboratories

Certificate of Analysis

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|--|-------------------------------------|
| Name Of Product : Nicotinic Acid IP | Date of Mfg: May 2011 |
| Batch No. : 11-1193 | Date of Exp: April 2016 |
| Batch Size : 500 kg | Date of Sampling: 23.05.2011 |
| Qty. Dispatched : 500 kg | Date of Analysis: 24.05.2011 |
| A . R . No. : LF-1171-11 | Qty. Sampled: 150 g |
| CAS No. : 59-67-6 | Mfg. Lic. No. : 823 |

| Sr.No. | Tests | Specifications | Observation |
|--------|--------------------------------|--|----------------------------------|
| 1. | Description | White or creamy white powder | Complies |
| 2. | Solubility | Soluble in boiling water and in boiling ethanol (95%); sparingly soluble in water; very slightly soluble in chloroform; practically insoluble in ether. It dissolves in dilute solutions of alkali hydroxides and carbonates | Complies |
| 3. | Identification | B. By chemical test(Pyridine evolved) C. By Chemical test (Blue precipitation) D. By chemical test (Golden yellow colour is produced) | Complies Complies Complies |
| 4. | 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 (NMT 0.01%) | Complies |
| 5. | Heavy metals | NMT 20 ppm | Less than 20 ppm |
| 6. | Chlorides | NMT 250 ppm | Less than 250 ppm |
| 7. | Sulphated ash | NMT 0.10% | 0.050% |
| 8. | Loss on drying | NMT 1.0% | 0.36% |
| 9. | Assay by titration | NLT 99.5% and NMT 100.5% of C ₆ H ₅ NO ₂ (on dried basis) | 99.61% |

OPINION: The sample complies with the tests mentioned in IP 2007

Analyzed by

Checked by

Approved by

[Signature]
24-05-2011

[Signature]
24-05-2011

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24-05-2011