# TECHNICAL DATA SHEET

# NIACINAMIDE

## PRODUCT DETAILS

| Particular | Details |
|---|---|
| Grade | IP 2024 |

## TEST SPECIFICATION

| Sr. No. | Test | Specification |
|---|---|---|
| 1 | Description & Solubility | Colorless crystals or a white, crystalline powder. Freely soluble in water and in ethanol, slightly soluble in chloroform and ether. |
| 2 | Identification by IR | IR absorption spectrum of the sample should be concordant with the spectrum obtained with Niacinamide working standard. |
| 3 | Appearance of Solution (5% in aq. solution) | Solution should be clear and not more intensely colored than reference solution BY7. |
| 4 | pH (5% in aq. solution) | 6.0 – 7.5 |
| 5 | Related Substances by HPLC – Unspecified impurity | NMT 0.10 % w/w |
| | Related Substances by HPLC – Total impurity | NMT 0.20 % w/w |
| 6 | Heavy Metals (as lead) | NMT 30 ppm |
| 7 | Chlorides | NMT 250 ppm |
| 8 | Sulphates | NMT 125 ppm |
| 9 | Sulfated Ash | NMT 0.10 % w/w |
| 10 | Loss on Drying (in vacuo for 18 hrs) | NMT 0.50 % w/w |
| 11 | Assay (by HPLC) | NLT 99.0 % w/w and NMT 101.0 % w/w of Niacinamide ($C_6H_6N_2O$), calculated on the dried basis |

## PACKING

➢ 25 Kg Aluminium Bag

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