

Specification

Technical Data Sheet

CAS

98-92-0

STORAGE

Ambient

MOLECULAR WEIGHT

122.12

PRODUCT

Nicotinamide - USP, Ph Eur. Spec.

Product number 90035290

CAS number 98-92-0

Molecular formula C₆H₆N₂O

Molecular weight 122.12 g/mol

PARAMETER

SPECIFICATION

Appearance	White crystalline powder
Assay	99.0 -101.0%
Conclusion	Conforms to specification USP2022 and EP 10.0
Heavy metals	≤20 mg/kg
Identification	A: Infrared absorption. B: Ultraviolet absorption: the A ₂₄₅ /A ₂₆₂ ratio is 0.63 - 0.67. C: Thin-layer chromatography.
Loss on Drying	≤0.5%
Melting Point	128 - 131°C
pH	6.0 - 7.5
Appearance of Solution	Not more intensely coloured than reference solution BY7
Readily Carbonisable Substances	The sample solution has no more colour than matching fluid A
Related Substances	Test as per EP 10.0
Residue on Ignition	≤0.1%
Solubility	Free soluble in water and in anhydrous ethanol, slightly soluble in methylene chloride.
Sulphated Ash	≤0.1%
Arsenic (As)	≤2 mg/kg

PARAMETER

SPECIFICATION

Lead (Pb) ≤ 2 mg/kg**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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