



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Nicotinamide(Vitamin B3)

Batch No.: HDC20221102

Manufacturing Date: Nov 2nd, 2022

Retest Date: Nov 1st, 2025

Quantity: 1000kg

Standard: USP41

Test Item	Specification	Test Result
Appearance	White Crystalline Powder	Conforms
Identification		
Test A(IR)	The IR Absorption spectrum is concordant with the spectrum of the reference standard.	Conforms
Test B(UV)	Ratio: A245/A262, between 0.63 and 0.67	0.66
Assay(By HPLC)	Not less than 98.5%W/W and not more than 101.5%W/W of C ₆ H ₆ N ₂ O, calculated on the dried basis.	99.5%
Melting Point	128°C ~ 131°C	129.3°C ~ 130.1°C
Loss on Drying	Not more than 0.5%	0.4%
Residue on Ignition	Not more than 0.1%	0.07%
Heavy Metals	Not more than 3ppm	<3ppm
Readily Carbonizable Substances	Comply with USP41	Conforms
Organic Volatile Impurities	Comply with USP41	Conforms
Residual Solvents	Comply with USP41	Conforms

Conclusion: The product is complied with the standard of USP41.

Storage: Sealed and stored in cool, dry conditions; kept away from heat and light.