

DFI-846007V03

SPECIFICATION

Vitamin B3 Nicotinamide

USP/BP/EP/FCC

DESCRIPTION	
CAS No.	98-92-0
EINECS No.	202-713-4
Characteristic	A white or almost white, crystalline powder or colourless crystals.
Molecular Formula	C ₆ H ₆ N ₂ O
Molecular weight	122.13
Shelf life	36 months
Country of origin	China
Applications	Nutritional Vitamin
SPECIFICATIONS	
Identification (USP,FCC)	(UV) 0.63 to 0.67
Identification (EP/BP)	(TLC) Keep conformity with the standard.
Identification	(IR) Keep conformity with the standard.
Assay (FCC)	Titration 98.5% to 101.0%
Assay (EP/BP)	Titration 99.0% to 101.0%
Melting point	128 - 131 °C
pH (EP/BP)	6 - 7.5
Colour & Clarity of Solution (EP/BP)	not more intensely coloured than reference solution BY7
Readily Carbonisable Substances (USP,FCC)	not more coloured than matching Fluid A
Any impurity (EP/BP)	Max 0.1 %
Total Impurities (EP/BP)	Max 0.2 %
Loss on drying	Max 0.5 %
Residue on ignition	Max 0.1 %
Heavy metals (USP)	Max 30 ppm
Lead (FCC)	Max 2 ppm
Mesh Size (40 mesh sieve)	Min 99
Packaging	25kg carton/ composite paper bag
MICROBIOLOGICAL	
Total plate count	Max 10000 cfu/g
Yeasts & Moulds	Max 1000 cfu/g
Salmonella	Negative in 25g
Escherichia Coli	Max 3 MPN/g

Exclusion of Liability

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