

Specification of Nicotinamide

Product:Nicotinamide

Type: Food Grade

Package: 25KG Drum

Analysis Item	Unit	Specification	Test Method
Ultraviolet absorption *	—	0.63-0.67 (A245/A262)	UV
Infrared Identification *	—	Conform to standard spectrum	IR
Assay	%	98.5-101.5	HPLC
Melting range	°C	128-131	Melting point apparatus
Readily carbonizable substances	—	Not deeper than the Matching fluid A	Colorimetry
Loss on Drying	%	≤0.5	Drying method
Residue on ignition	%	≤0.1	Combustion method
Heavy metals (Pb) *	ppm	≤30	Colorimetry
Mercury *	ppm	≤0.1	AFS
Lead *	ppm	≤2.0	AAS
Arsenic *	ppm	≤1.0	AFS
Cadmium *	ppm	≤1.0	AAS
Total Plate Count *	cfu/g	≤10 ³	Plating
Yeast & Molds *	cfu/g	≤10 ²	Plating
E. Coli *	MPN/g	<3	Plating
Salmonella *	/25g	Negative	Plating

Shelf Life: 36 months

Meet USP 40 standard