



## Specification

Concerning Product:	
Article number	1094617CAI
Trade name / designation / denomination	Beta-Nicotinamid Mononucleotid (NMN)
CAS number	1094-61-7
Other names / synonyms	•3-(aminocarbonyl)-1-(5-O-phosphonato-β-D-ribofuranosyl)pyridinium; •[(2R,3S,4R,5R)-5-(3-carbamoyl-1-pyridin-1-iumyl)-3,4-dihydroxy-2-oxolanyl]methyl hydrogen phosphate;
EC number	214-136-5
Molecular weight [g / mol]	334.219161
Formula	C <sub>11</sub> H <sub>15</sub> N <sub>2</sub> O <sub>8</sub> P

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Appearance	white or almost white crystalline powder	
<b>Physical parameter</b>		
Loss on drying	≤ 5,0	%
pH value	2,0 – 4,0	
<b>Identity</b>		
Assay	≥ 98	%
<b>Residual Solvents</b>		
Residual solvents	Ethanol: ≤ 5000	ppm
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 0,5	ppm
Cadmium (Cd)	≤ 0,5	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 0,5	ppm
<b>Microbiological data</b>		
Aerobic microorganisms	≤ 750	CFU/g
Escherichia Coli.	≤ 2	MPN/g
Salmonella	neg.	

### **Supplemental information:**

**Shelf life:** 2 years

**Storage conditions:** Keep in tightly closed original sealed packing in a cool, clean and dry place, away from direct sunlight and water.

**Regional origin:** CN

**Usage:** Only for laboratory and research.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 08. Oct. 2020

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