



Specification

Concerning Product:	
Article number	1094617CRVT
Trade name / designation / denomination	Beta-Nicotinamide Mononucleotide, tech.
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 ₁₁ H ₁₅ N ₂ O ₈ P

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance	visual	white to yellowish	
Odour	organoleptic		
Physical parameter			
Form	visual	powder	
Loss on drying	Karl Fisher	≤ 5,0	%
pH value	pH Meter	2,0 – 4,0	
Identity			
Assay	HPLC(by area)	≥ 98	%
Impurities			
Heavy Metals (as Pb)	Atomic Absorption	≤ 5	ppm
Residual Solvents			
Residual solvents	GC	Ethanol: ≤ 2	%
Elemental Impurities			
Arsenic (As)	Atomic Absorption	≤ 0,5	ppm
Mercury (Hg)	Atomic Absorption	≤ 0,1	ppm
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Lead (Pb)	Atomic Absorption	≤ 0,5	ppm
Microbiological data			
Aerobic microorganisms	AOAC	≤ 1000	CFU/g
Coliform bacteria	AOAC	≤ 100	CFU/g
Escherichia Coli.	AOAC	neg.	/g
Salmonella	AOAC	neg.	
Yeast and Mould	AOAC	≤ 100	CFU/g
Particle size distribution			
Particles		< 80 mesh: ≤ 100	%

Supplemental information:

Shelf life: 2 years

Storage conditions: Keep dry and away from light, sealed storage in - 20 °C.

Regional origin: CN

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. Oct. 2020

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