



Yeast Fermented β -Nicotinamide mononucleotide
MTDS

Product name	β -Nicotinamide Mononucleotide
Molecular formula	C ₁₁ H ₁₅ N ₂ O ₈ P
Molecular weight	334.22 g/mol
Production method	Yeast Fermentation (<i>Saccharomyces cerevisiae</i>)
Country of Origin	The Netherlands

PHYSICAL SPECIFICATIONS			
ITEM	Specification	Method	
Appearance	White to off-white crystalline powder	Visual	
Smell	Typical	Organoleptic	
Taste	Light Sweet-Bitter	Organoleptic	

ASSAY			
Purity	99%	HPLC	
Residual Solvent (Ethanol)	0.05%	GC-MS	

CONTAMINATIONS			
Parameter	Specification	Method	
Heavy metals	Less than 2 ppm	ICP-MS	
Cadmium (Cd)	Less than 0,5 ppm	ICP-MS	
Arsenic (As)	Less than 0,5 ppm	ICP-MS	
Mercury (Hg)	Less than 0,1 ppm	HG-analyser	
Lead (Pb)	Less than 0,5 ppm	ICP-MS	
Data in compliance with (or lower than) COMMISSION REGULATION (EC) nr. 1881/2006 and its amendments.			

MICROBIOLOGY (CFU/g)			
Parameter	Specification	Method	
TPC	< 1000	Ph.Eur.2.6.12.	
Enterobacteriaceae	< 100	Ph.Eur.2.6.13.	
Yeast and mold	< 100	Ph.Eur.2.6.12.	
Salmonella	Absent in 25 g	Ph.Eur.2.6.13.	
E.Coli	Absent	Ph.Eur.2.6.13.	
S.Aureus	Absent	Ph.Eur.2.6.13.	
Data in compliance with COMMISSION REGULATION (EC) nr. 2073/2005 and its amendments.			

SATBILITY SHELF LIFE AND STORAGE	
Stability	Stable at room temperature when protected from light and
Shelf life	2 years if sealed and stored properly
Storage	Store in a cool, dry place at 2–8°C in a tightly closed container.

Non irradiation I Non ionized statement

According to Directives 1992/2/EC and 1999/3/EC, we confirm the product is not made from irradiated/ionized raw materials and was not irradiated/ionized.

Pesticides statement

To our

actual knowledge of production process, raw materials and equipment used, potential pesticide residues in the above mentioned product comply with the European legislation on pesticide residues, esp. Regulation (EC)No. 396/2005. However, we do not test pesticide residues on a routine basis.

BSE/TSE Statement

The

product does not contain and is not derived from Specified Risk Material as defined in Annex V of Regulation (EC) No 999/2001 and conforms to the EU Regulation (EC) No. 999/2001, as amended, relating to the risk of Transmission of Spongiform Encephalopathy (TSE).

GMO Statement

Regulation (EC) No.1829/2003 of the European Parliament and the Council of 22nd September 2003 on genetically modified food and feed.

Regulation (EC) No.1830/2003 of the European Parliament and the Council of 22nd September 2003 concerning traceability and labelling on genetically modified organisms and traceability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.

Residual solvent statement

The

product meets with Directive 2009/32/EC of the European Parliament and of the Council, as amended, on the approximation of the laws of the Member States on extraction solvents used in the production of foodstuffs and food ingredients. We test our material on regular basis.

Allergens Statement

In accordance with the Annex II of Regulation (EU) No. 1169/2011, as amended, on the provision of food information to consumers. We test our products for allergenic substances on a regular basis. We confirm the following information:

	Present	Not present	Possible traces
Gluten		X	
Crustaceans (shellfish)		X	
Egg		X	
Fish		X	
Groundnuts (peanuts)		X	
Soy		X	
Milk		X	
Nuts		X	
Celery		X	
Mustard		X	
Sesame		X	
Sulphur dioxide and sulphites		X	
Lupine		X	
Molluscs		X	
Pork		X	
Maize		X	
Coriander		X	
Carrot		X	
Mustard		X	
Beef		X	
Chicken		X	
Cocoa		X	

Disclaimer

The information provided on this TDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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Approved by: Samo Borko Msc