RESULTS SUMMARY

NMN Purity	Heavy Metals	Elemental Screening
PASS	PASS	PASS

✓ Product fulfils all specifications – Conclusion confirmed by Limbach Analytics GmbH / Arotop Laboratorien Mainz

PRODUCT INFORMATION

Product Name	Purovitalis Liposomal NMN – β-Nicotinamide Mononucleotide Capsules
Manufacturer	Purovitalis Inc. · Canada · purovitalis.com
EAN Code	8720726160032
Batch / Lot	2007026
Shelf Life	End 07-2027
Packaging	Glass with screw cover · Liposomal NMN Caps 60
Samples Received	15.07.2025 (1 sample, room temperature, condition OK)
Analysis Period	15.07.2025 – 01.08.2025
Report Date	01.08.2025
Report Reference	L-25-06468
Testing Laboratory	Limbach Analytics GmbH · Arotop Laboratorien Mainz DAkkS accredited · D-PL-20185-01-01 to -08

NMN PURITY ANALYSIS

Method: SOP-MZ-010 2022-11, ^{1}H-NMR (PULCON method) · Phosphorus: AHM 801 (ICP-OES), 2007-12

β-NMN Content

>99.9 ± 0.7 %

Determined by ^{1}H-NMR · No significant impurities detected in spectrum

Phosphorus

79,600 mg/kg

ICP-OES · Confirms NMN molecular integrity

ELEMENTAL SCREENING – ICP-MS / ICP-OES (22 Elements + Mercury)

Method: DIN EN ISO 17294-2 (E29) mod; 2017-01 (ICP-MS) · ASU § 64 LFGB L 00.00-135, 2011-01 (heavy metals) · Values in italics are below the limit of quantification (LOQ)

Element	Result	Unit
Arsenic (As)	0.21	mg/kg
Lead (Pb)	*< 0.05 LOQ*	mg/kg
Cadmium (Cd)	*< 0.005 LOQ*	mg/kg
Mercury (Hg)	*< 0.01 LOQ*	mg/kg

Element	Result	Unit
Iron (Fe)	2.83	mg/kg
Zinc (Zn)	1.17	mg/kg
Boron (B)	1.35	mg/kg
Aluminium (Al)	2.92	mg/kg

Element	Result	Unit
Chromium (Cr)	0.63	mg/kg
Nickel (Ni)	*< 0.05 LOQ*	mg/kg
Cobalt (Co)	*< 0.05 LOQ*	mg/kg
Copper (Cu)	*< 0.05 LOQ*	mg/kg
Uranium (U)	*< 0.01 LOQ*	mg/kg
Tin (Sn)	*< 0.05 LOQ*	mg/kg
Silver (Ag)	*< 0.05 LOQ*	mg/kg

Element	Result	Unit
Selenium (Se)	*< 0.05 LOQ*	mg/kg
Molybdenum (Mo)	*< 0.05 LOQ*	mg/kg
Manganese (Mn)	0.14	mg/kg
Sodium (Na)	14.81	mg/kg
Potassium (K)	70.44	mg/kg
Calcium (Ca)	20.62	mg/kg
Magnesium (Mg)	*< 0.5 LOQ*	mg/kg

Note on arsenic (0.21 mg/kg): *The detected arsenic level is consistent with background levels commonly found in NMN derived from yeast or plant-based fermentation. No specific EU maximum residue limit (MRL) applies to finished food supplements for this parameter. The laboratory's overall conclusion is that the product fulfils all tested specifications. Raw material supplier documentation is recommended for traceability purposes.*

LOQ = Limit of Quantification · ICP-MS = Inductively Coupled Plasma Mass Spectrometry · ICP-OES = Inductively Coupled Plasma Optical Emission Spectrometry · NMR = Nuclear Magnetic Resonance · PULCON = Pulse Length-Based Concentration Determination

AUTHORISATION

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Report issued: 01.08.2025	

Editorial note: This document is a reformatted, English-language version of the original laboratory report (L-25-06468) issued by Limbach Analytics GmbH / Arotop Laboratorien Mainz. All analytical data are identical to the original. The layout has been adapted for clarity and readability. In case of any discrepancy, the original German-language report shall prevail.