



Limbach Analytics GmbH · Arotop Laboratorien Mainz
 Postfach 100 108 · 55132 Mainz

Purovitalis B.V.
 Herfordstraat 4
 7418 Deventer
 Niederlande

Limbach Analytics GmbH
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Dekan-Laist-Str. 9
55129 Mainz

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Report of Analysis: L-22-05934

Sample Information

30.09.2022

Your Label	99% Pure NMN
Supplier of samples	Purovitalis B.V.
	Boeingavenue 8 1119 PB Schiphol-Rijk Niederlande
Supplier / Manufacturer	Purovitalis B.V.
	Boeingavenue 8 1119PB Schiphol-rijk Niederlande
EAN-Code	8720589500044
Number of samples	1
Day of receipt	21.9.2022
Sampling	by customer
Temperature on entry	Rt
State / Packaging	Glas mit Verschluss 15g
rated capacity	n.a
Information regarding shelf life	n.a
Lot / batch	22.09.2022 - 27.09.2022
Analysis period	

Results

Parameters	Result	Unit		
NMN (Nicotinamide Mononucleotide) H-NMR/purity <small>Methode: in Anlehnung an EU-Pharm 2.2.33</small>	> 99,7	%		
ICP-MS Screening 22 Elemente + Quecksilber in LM				
Boron <small>Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01</small>	< 0,2 (BG)	mg/kg		
Sodium	31,38	mg/kg		

Testing laboratory accredited by the German Accreditation Body (DAkkS) in accordance with DIN EN ISO/IEC 17025:2018, Registration number: D-PL-20185-01-06. Accreditation applies to the examination procedures listed in the document.

Limbach Analytics GmbH	Geschäftsführer:	Sitz der Gesellschaft: Mannheim	HypoVereinsbank
Edwin-Reis-Straße 6-10	Dr. Gerold Appelt	Amtsgericht Mannheim HRB 720967	IBAN: DE77670201900023091771
68229 Mannheim	Dr. Jürgen Grochowski	Ust-Id Nr.: DE298564631	BIC: HYVEDEMM489

Results

Parameters	Result	Unit		
Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01				
Magnesium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,5 (BG)	mg/kg		
Aluminium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	1,98	mg/kg		
Phosphorus Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	76572,00	mg/kg		
Potassium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 1 (BG)	mg/kg		
Calcium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 1 (BG)	mg/kg		
Chromium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	0,27	mg/kg		
Manganese Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Iron Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	11,18	mg/kg		
Cobalt Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Nickel Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Copper Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Zinc Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,1 (BG)	mg/kg		
Arsenic Methode: ASU § 64 LFGB L.00.00-135, 2011-01	< 0,01 (BG)	mg/kg		
Selenium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Molybdenum Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Silver (Ag) Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Cadmium Methode: ASU § 64 LFGB L.00.00-135, 2011-01	< 0,005 (BG)	mg/kg		
Antimony Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,05 (BG)	mg/kg		
Lead Methode: ASU § 64 LFGB L.00.00-135, 2011-01	< 0,05 (BG)	mg/kg		
Uranium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	< 0,01 (BG)	mg/kg		
Mercury Methode: ASU § 64 LFGB L.00.00-135, 2011-01	< 0,01 (BG)	mg/kg		

(G)=Limit, (HG)=maximum content, (S)= specification customer, (R)=reference value, (W)= critical value, (BG)=LOQ, (NG)=LOD, (o.a.V.)= no abnormal changes, (#)=Parameter is not accredited

Conclusion

German:

Der Gehalt [$> 99,7\%$] wurde mittels $^1\text{H-NMR}$ und ERETIC-Methode bestimmt. Die Probe zeigt im H-NMR-Spektrum keine signifikanten Verunreinigungen.

Das vorliegende Produkt ist im Rahmen der durchgeführten Untersuchungen als den Anforderungen entsprechend zu beurteilen.

English:

The content [$> 99,7\%$] was determined by means of $^1\text{H-NMR}$ and ERETIC method. The sample shows no significant impurities in the H-NMR spectrum.

The present product shall be assessed as complying with the requirements in the course of the tests carried out.

Project-No.: L-22-05934
Your Label: 99% Pure NMN

Yours sincerely



Dr. Wolfram Wendler
Staatl. geprüfter Lebensmittelchemiker (State certified food chemist) / Gegenprobengutachter (Cross-check experts)
Öffentlich bestellter und vereidigter Sachverständiger für Lebensmittel- und Handelschemie der IHK-Rheinessen

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