



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

KVB Gesellschaft mbH
Roßlenbroichstraße 40
41541 Dormagen

Limbach Analytics GmbH
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Report of Analysis: L-21-12202

Sample Information

03.12.2021

Your Label	NMN Nicotinamid Mononukleotid
Type	Age-Science NMN
Supplier of samples	KVB Gesellschaft mbH
	Roßlenbroichstraße 40 41541 Dormagen
Supplier / Manufacturer	KVB Gesellschaft mbH
	Roßlenbroichstraße 40 41541 Dormagen
Number of samples	1
Day of receipt	24.11.2021
Sampling	by customer
Temperature on entry	Rt
State / Packaging	plastic bag
rated capacity	25 gr.
Information regarding shelf life	15. Oktober 2023
Lot / batch	KVB-NMNZ-211006
Analysis period	24.11.2021 - 03.12.2021

Results

Parameters	Result	Unit		
H-NMR-content/purity <small>Methode: in Anlehnung an EU-Pharm 2.2.33</small>	99,4	%		
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 <small>Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01</small>	533,10	mg/kg		
Magnesium	< 0,5 (BG)	mg/kg		

Testing laboratory accredited by the German Accreditation Body (DAkkS) in accordance with DIN EN ISO/IEC 17025:2018, Registration number: D-PL-14580-01-00. 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				
Aluminium Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	0,61	mg/kg		
Phosphorus Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	8,97	%		
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	0,68	mg/kg		
Manganese Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	0,14	mg/kg		
Iron Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	3,12	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	0,14	mg/kg		
Copper Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	0,08	mg/kg		
Zinc Methode: DIN EN ISO 17294-2 (E29) mod; 2017-01	0,70	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%] wurde mittel 1H-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%] was determined by means of 1H-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.

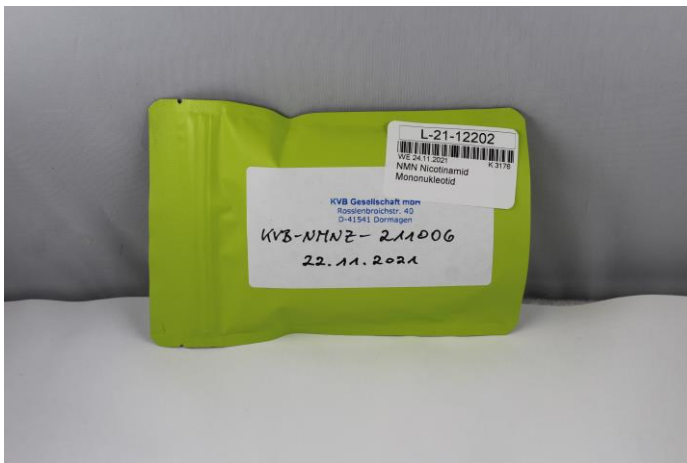
Project-No.: L-21-12202
 Your Label: NMN Nicotinamid Mononukleotid
 Variety: Age-Science NMN

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-Rhein Hessen

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