

Indiko GmbH
Kenzianweg 8
4780 Schärding
Österreich



Contact person:
Kim Jana Lütker
Phone +49 5151 9849-44
k.luetker@gba-group.de

Certificate of analysis 25313809 - 001

Sample name : Organic Raw Hemp Seed Protein Powder

Marking of sample : LOT:287539
SID:531358

Customer No. : none

Packaging : Plastic package

Sample amount : 1 x 363 g

Shipping of sample : Courier Service

Sample entry : 02.09.2025

Entrance temperature : Room temperature

Sample taken : by sender

Begin/end of analysis : 02.09.2025 / 09.09.2025

The test results apply only to the test items described in the report. No responsibility is accepted for the validity of the results if any data or information provided by the customer may affect them. Data provided by the customer are clearly identified. The laboratory assumes no responsibility for the sampling unless it was carried out by samplers from a company within the GBA Group or on its behalf. In this case, the results apply to the sample as received. The test report may not be published or reproduced, in whole or in part, without the written consent of the issuing company. The general terms and conditions are available at <https://www.gba-group.com/en/general-terms-and-conditions/>.



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Test Results

<i>Microbiological Test</i>	<i>Result</i>	<i>Unit</i>
Total Plate Count	4,0 · 10 ² °°	cfu/g
Yeasts / moulds		
Yeasts	<100	cfu/g
Moulds	<100	cfu/g
E. coli	<10	cfu/g
Enterobacteriaceae	<100	cfu/g
Salmonella	negative	/ 25 g
Bacillus cereus, presumptive	<100	cfu/g
Staphylococci, coag. positive	<100	cfu/g
Clostridium perfringens	<10	cfu/g

<i>Chemical/Physical Test</i>	<i>Result</i>	<i>Unit</i>	<i>± MU</i>	<i>MU Source</i>
Gluten	24,0	mg/kg	7,2	I
Lead	<0,020	mg/kg		I
Cadmium	0,046	mg/kg	0,0092	I
Mercury	<0,010	mg/kg		I
Arsenic	<0,040	mg/kg		I

<i>Pesticides and related substances</i>	<i>Result</i>	<i>Unit</i>	<i>± MU</i>	<i>MU Source</i>
Pesticides, GC-MS/MS	not detectable			
Pesticides, LC-MS/MS	not detectable			

Scope of analyzed pesticides GC-MS/MS / LC-MS/MS: according to list of pesticides GÖST (05/08/2024)

Assessment:

Results of microbiological analysis are unobjectionable regarding the tests carried out.

No pesticides are detectable in the sample within the scope of the spectrum of active substances analysed and taking into account the sensitivity of the method mentioned.

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Hamel, 09.09.2025

This test report is done automatically and is valid without signature.

i. A. K. Lütker

(Certified Food Chemist / Customer Service)

Methods

Parameter	Method	DR
Total Plate Count	DIN EN ISO 4833-2: 2022-05 ^a ₀	m
Yeasts / moulds	BIOKAR Diagnostics, Symphony-Agar BM20208/BM19108: 2022-11 ^a ; validated according to EN ISO 16140-2 against EN ISO 21527-1/-2 2008-11 ₀	m
E. coli	Biomerieux, Rebecca-Agar AEB520020/AEB150022: 2020-09 ^a ; validated according to EN ISO 16140-2 against ISO 16649-2 2001-07 ₀	m
Enterobacteriaceae	Biomerieux, Rebecca-Agar AEB520020/AEB150022: 2020-09 ^a ; validated according to EN ISO 16140-2 against ISO 21528-2 2017-07 ₀	m
Salmonella	DIN EN ISO 6579-1: 2020-08 ^a ₀	m
Bacillus cereus, presumptive	Biomerieux, Bacara 2-Agar 423849/423868: 2022-04 ^a ; validated according to EN ISO 16140-2 against EN ISO 7932 2020-04 ₀	m
Staphylococci, coag. positive	DIN EN ISO 6888-1: 2022-06 ^a ₀	m
Clostridium perfringens	DIN EN ISO 15213-2: 2024-05 ^a ₀	m
Gluten	R-Biopharm AG RIDASCREEN Gliadin R7001, ELISA: 2021-10 ^a ₃	z
Lead	DIN EN 15763, ICP-MS: 2010-04 ^a ₅	y
Cadmium	DIN EN 15763, ICP-MS: 2010-04 ^a ₅	y
Mercury	DIN EN 15763, ICP-MS: 2010-04 ^a ₅	y
Arsenic	DIN EN 15763, ICP-MS: 2010-04 ^a ₅	y
Pressure pulping	§ 64 LFGB L 00.00-19/1: 2015-06 ^a ₃	q
Pesticides, GC-MS/MS	§ 64 LFGB L 00.00-115, mod.: 2018-10 ^a ₀	y
Pesticides, LC-MS/MS	§ 64 LFGB L 00.00-115, mod.: 2018-10 ^a ₀	y

The methods marked with ^a are accredited methods of the performing laboratory.

Testing laboratory: ₀GBA Hamburg ₃GBA Hameln ₅GBA Pinneberg

MU-Source:

I: According to DIN ISO 11352 as expanded, combined measurement uncertainty with k = 2 (95 %), sampling not included

Decision rules:

m: The conformity assessment of microbiological measured values is performed without considering additional analytical measurands.

y: In conformity assessment, measurement uncertainty is disregarded for measured values below the tolerance limit. For measured values exceeding the tolerance limit, measurement uncertainty is subtracted from the measured value. If no conformity assessment is performed, measurement uncertainty serves as informational data only.

z: In conformity assessment, measurement uncertainty is disregarded and serves as informational data only.

q: The conformity assessment of qualitative measurement values (positive/negative, conforms/ does not conform) is performed without considering additional analytical measurands.

°° According to DIN EN ISO 7218, this result must be stated as an estimated number for statistical reasons.

The value given is not statistically significant.

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