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Certificate of analysis 25039336 - 004 b replaces certificate 25039336-004

Sample name : Linseed
Marking of sample : Batch # 005-01-454
Customer No. : none
Packaging : Plastic package
Sample amount : 480 g + 522 g
Shipping of sample : Courier Service
Sample entry : 13.08.2025
Entrance temperature : Room temperature
Sample taken : by sender
Begin/end of analysis : 13.08.2025 / 25.08.2025



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 The test report may not be published or reproduced, in whole or in part, without the written consent of the issuing company.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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Sample name : Linseed

Test Results

Chemical/Physical Test	Result	Unit	± MU	MU Source	ML
Hydrocyanic acid, total (free and bound)	117	mg/kg	59	III	250*/150**
+ Aflatoxins					
+ Aflatoxin B1	<0,50	µg/kg		VI	
+ Aflatoxin B2	<0,50	µg/kg		VI	
+ Aflatoxin G1	<0,50	µg/kg		VI	
+ Aflatoxin G2	<0,50	µg/kg		VI	
+ Aflatoxins, sum	not detectable	µg/kg		VI	
+ Lead	<0,020	mg/kg		I	
+ Cadmium	0,10	mg/kg	0,02	I	0,50
+ Mercury	<0,010	mg/kg		I	0,02
+ Arsenic	<0,040	mg/kg		I	

*Maximum level for hydrocyanic acid according to Regulation (EU) 2023/915 for the category 2.3.1 "Unprocessed whole, ground, milled, cracked, chopped linseed not placed on the market for the final consumer".

**Maximum level for hydrocyanic acid according to Regulation (EU) 2023/915 for the category 2.3.2 "Whole, ground, milled, cracked, chopped linseed placed on the market for the final consumer".

Maximum level for cadmium according to Regulation (EU) 2023/915

Pesticides and related substances	Result	Unit	± MU	MU Source	ML
+ Pesticides, GC-MS/MS	not detectable				
+ Pesticides, LC-MS/MS					
+ Pirimiphos methyl	0,006	mg/kg	0,003	II	0,5

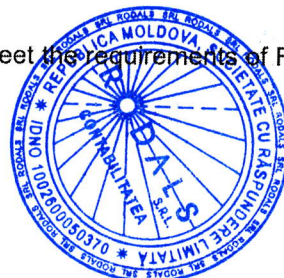
Scope of analyzed pesticides GC-MS/MS / LC-MS/MS: according to list of pesticides GÖST (05/08/2024)
Pesticide maximum level(s) according to category Linseeds (EU-Code: 0401010).

Assessment:

Results of pesticide analysis meet the requirements of the Regulation (EC) 396/2005 on maximum residue levels of pesticides.

Results of aflatoxin, cadmium and hydrocyanic acid analyses meet the requirements of Regulation (EU) 2023/915.

Hamburg, 25.08.2025



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

i. A. M. Wege

(Approved Food Chemist / Customer Service)

Methods

Parameter	Method	DR
Hydrocyanic acid, total (free and bound)	HH-MA-M 03-066 # U, Headspace, GC-MSD: 2023-06 ^a ₀	y
Aflatoxins	§ 64 LFGB L 15.00-2, HPLC-FLD: 2014-02 ^a ₀	y
Aflatoxins, sum	calculated α	
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 ₀	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 α automatically calculated from the system ₅GBA Pinneberg

MU-Source:

III: According to Implementing Regulation (EU) 2023/2783 (Plant Toxins)

VI: According to Implementing Regulation (EU) 2023/2782 (Mycotoxins)

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

II: According to SANTE/11312/2021

Decision rules:

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.

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

+ The test report was expanded in accordance with the order.

