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## **Certificate of analysis 24016533 - 001**

Sample name : blue poppy seed

Marking of sample : P24SP073

Customer No. : none

Packaging : Plastic package

Sample amount : 1 x 480 g

Shipping of sample : Courier Service

Sample entry : 08.04.2024

Entrance temperature : Room temperature

Sample taken : by sender

Begin/end of analysis : 08.04.2024 / 16.04.2024

The results are only based on the items tested. GBA takes no responsibility for the validity of the sampling if the samples are neither taken by GBA nor on behalf of GBA. In such cases, the results refer to the sample as it is received. The GBA test report may not be published without the express written consent of the GBA Group, nor may excerpts of it be reproduced without permission. GBA decision rules can be seen in the general terms and conditions.

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## Test Results

<i>Microbiological Test</i>	<i>Result</i>	<i>Unit</i>	
Salmonella	negative	/ 125 g	

  

<i>Chemical/Physical Test</i>	<i>Result</i>	<i>Unit</i>	<i>Max. level</i>
Opium alkaloids			
Morphine	6,7	mg/kg	
Codeine	1,2	mg/kg	
Opium alkaloids, sum	6,9	mg/kg	20
Cadmium	0,87	mg/kg	1,2
Aflatoxins			
Aflatoxin B1	<0,50	µg/kg	
Aflatoxin B2	<0,50	µg/kg	
Aflatoxin G1	<0,50	µg/kg	
Aflatoxin G2	<0,50	µg/kg	
Aflatoxins, sum	not detectable	µg/kg	

The sum of Opium alkaloids refers to morphine and codeine, for which a factor of 0,2 is applied to the level of codeine. Opium alkaloids,sum = morphine + 0,2 x codeine.  
 Maximum level(s) according to Regulation (EU) 2023/915

<i>Pesticides and related substances</i>	<i>Result</i>	<i>Unit</i>	<i>Max. level</i>
Glyphosate / AMPA			
Glyphosate	<0,010	mg/kg	
AMPA	<0,010	mg/kg	
Pesticides, GC-MS/MS			
Hexachlorobenzene	0,012	mg/kg	0,02
Chlorpyrifos ethyl	0,009	mg/kg	0,01
Pesticides, LC-MS/MS			
Azoxystrobin	0,007	mg/kg	0,5
Difenoconazole	0,008	mg/kg	0,05

Pesticide maximum level(s) according to category Poppy seeds (EU-Code: 0401030).

### Assessment:

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

Results of aflatoxins, opium alkaloids and cadmium analysis meet the requirements of Regulation (EU) 2023/915.

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Hamburg, 16.04.2024



i. A. M. Poloczek

(Approved Food Chemist / Customer Service)

## Methods

<i>Parameter</i>	<i>Method</i>
Salmonella	§ 64 LFGB L 00.00-20: 2021-07 <sup>a</sup> <sub>0</sub>
Opium alkaloids	HM-MA-M 02-022: 2022-03 <sup>a</sup> <sub>3</sub>
Opium alkaloids, sum	calculated <sub>3</sub>
Cadmium	DIN EN 15763, ICP-MS: 2010-04 <sup>a</sup> <sub>5</sub>
Aflatoxins	§ 64 LFGB L 15.00-2, HPLC-FLD: 2014-02 <sup>a</sup> <sub>0</sub>
Aflatoxins, sum	calculated <sub>0</sub>
Glyphosate / AMPA	HH-MA-M 02-156, LC-MS/MS: 2023-05 <sup>a</sup> <sub>0</sub>
Pesticides, GC-MS/MS	§ 64 LFGB L 00.00-115, mod.: 2018-10 <sup>a</sup> <sub>0</sub>
Pesticides, LC-MS/MS	§ 64 LFGB L 00.00-115, mod.: 2018-10 <sup>a</sup> <sub>0</sub>

With <sup>a</sup> marked methods are accredited.

Testing laboratory: <sub>0</sub>GBA Hamburg <sub>3</sub>GBA Hameln <sub>5</sub>GBA Pinneberg