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ISO 45001
zertifiziert



Contact person:
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Certificate of analysis 20043468 - 001

Sample name : Cumin CO2 Extract Organic

Marking of sample : A00261, Ch.Nr. 871404

Customer No. : none

Package : Glass bottle

Sample amount : 110 g

Shipping of sample : Courier service

Sample entry : 03.09.2020

Entrance temperature : Room temperature

Sample taken : by sender

Begin/end of analysis : 03.09.2020 / 09.09.2020

The results are only based on the items tested. The GBA test report may not be published without the express written consent of the GBA Group, nor may excerpts of it be reproduced without permission.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.

1 von 3

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Test Results

<i>Chemical/Physical Test</i>	<i>Result</i>	<i>Unit</i>
Pyrrolizidine alkaloids		
Senecionine	<10	µg/kg
Senecionine N-oxide	<10	µg/kg
Seneciphylline	<10	µg/kg
Seneciphylline N-oxide	<10	µg/kg
Monocrotaline	<10	µg/kg
Monocrotaloine N-oxide	<10	µg/kg
Retrorsine	<10	µg/kg
Retrorsine N-oxide	<10	µg/kg
Heliotrine	<10	µg/kg
Heliotrine N-oxide	<10	µg/kg
Senkirkine	<10	µg/kg
Trichodesmine	<10	µg/kg
Echimidine	<10	µg/kg
Echimidine N-oxide	<10	µg/kg
Intermedine	<10	µg/kg
Intermedine N-oxide	<10	µg/kg
Lycopsamine	<10	µg/kg
Lycopsamine N-oxid	<10	µg/kg
Lasiocarpine	<10	µg/kg
Lasiocarpine N-oxide	<10	µg/kg
Europine	<10	µg/kg
Europine N-oxide	<10	µg/kg
Erucifoline	<10	µg/kg
Erucifoline N-oxide	<10	µg/kg
Jacobine	<10	µg/kg
Jacobine N-oxide	<10	µg/kg
Senecivernine	<10	µg/kg
Senecivernine N-oxide	<10	µg/kg
Pyrrolizidine alkaloids, sum	not detectable	µg/kg

Assessment:

The sample was analyzed for Pyrrolizidine alkaloids. Pyrrolizidine alkaloids were not detected in the analyzed sample, taking into account the sensitivity of the tests. Regarding these results the sample is unobjectionable.

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Hamburg, 09.09.2020



i. A. M. Jähring

(Certified Food Chemist / Customer Service)

Methods

<i>Parameter</i>	<i>Method</i>
Pyrrrolizidine alkaloids	HM-MA-M 02-055, LC-MS/MS: 2017-11 ^a ₃
Pyrrrolizidine alkaloids, sum	calculated ₃

With ^a marked methods are accredited. Testing laboratory: ₃GBA Hameln