

Cinnamon Becard Ltd.
attn. Quality Department
The Stables, Little Coldharbour Farm, Tong Lane, L
TN3 8AD Kent
GROSSBRITANNIEN

Person in charge Mrs D. Günther - 1731
Client support Mrs D. Günther - 1731

Report date 21.09.2020
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Analytical report AR-20-JK-111330-01



Sample Code 703-2020-00110401

Reference	Organic Black Chia Seeds
	Production Date: 29-08-2020
Lot-no.	Batch: LOCH11/38
Best before date	29-08-2023
Nr. of sample containers	1
Gross weight / volume	514,0 g
Reception temperature	room temperature
Type of seal	sticking seal
Seal description	1987046
Origin	PARAGUAY
Ordered by	Quality Department
Submitted by	accounts department
Sender	DHL
Packaging	plastic bag
Reception date time	10.09.2020
Start/end of analyses	10.09.2020 / 21.09.2020

TEST RESULTS

Preparation

J3182	Purity (#)		
Method :	DIN EN ISO 658:2002-08, PV 00393, Gravimetry		
Purity		> 99.99	%

Physical-chemical Analysis

J3275	Moisture and volatile constituents (#)		
Method :	EN ISO 665:2001-02, mod., PV 00386, Gravimetry		
<i>(Modification: Single analysis without repetition; Drying time 6 hours)</i>			
Moisture and volatile constituents		6.0	%

All information regarding the sample (except those recorded on site or at sample registration by Eurofins) have been provided by the client. This information can have an impact on the validity of the analytical results and the result assessment.

The results of examination refer exclusively to the checked samples.
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Eurofins Analytik GmbH · Neuländer Kamp 1 · D-21079 Hamburg
Place of execution and place of jurisdiction is Hamburg - lower district court Hamburg HRB 917 32
General Manager: Dr. Katrin Hoenicke
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J8308 Cadmium (Cd)

Method : DIN EN 15763:2010 (2010-04), mod., CON-PV 01274 (2017-12), ICP-MS
 (Modification: incl. ICP-MS/MS, extension of the analysis parameters, extension of the application scope to feed and Tobacco and tobacco products)

Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.

Cadmium (Cd) <0.01 * mg/kg

JCHG2 Mercury (Hg)

Method : DIN EN 15763:2010 (2010-04), mod., CON-PV 01274 (2017-12), ICP-MS
 (Modification: incl. ICP-MS/MS, extension of the analysis parameters, extension of the application scope to feed, tobacco and tobacco products)

Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.

Mercury [Hg] <0.005 * mg/kg

J8312 Arsenic (As)

Method : DIN EN 15763:2010 (2010-04), mod., CON-PV 01274 (2017-12), ICP-MS
 (Modification: incl. ICP-MS/MS, extension of the analysis parameters, extension of the application scope to feed and Tobacco and tobacco products)

Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.

Arsenic (As) <0.1 * mg/kg

SP101 Organochlorine Pesticides and Pyrethroids (GC-ECD)

Method : ASU L 00.00-34:2010-09, DFG-S19, GC-ECD

Subcontracted to Eurofins Dr. Specht Laboratorien GmbH, Hamburg, which is accredited for this test.

Screened pesticides Not Detected

SP104 Organophosphorus Pesticides (GC-FPD)

Method : ASU L 00.00-34:2010-09, DFG-S19, GC-FPD

Subcontracted to Eurofins Dr. Specht Laboratorien GmbH, Hamburg, which is accredited for this test.

Screened pesticides Not Detected

SP923 Pesticides Quechers LC-MS/MS Nut

Method : DIN EN 15662: 2018-07, P-14.141, LC-MS/MS

(Modification: Application for Nuts, sorption mixture and extraction vol. adapted)

Subcontracted to Eurofins Dr. Specht Laboratorien GmbH, Hamburg, which is accredited for this test.

Screened pesticides Not Detected

SPXC1 Chlorate

Method : Internal Method SPG-14.169-3, SPG-14.169, LC-MS/MS

Subcontracted to Eurofins Dr. Specht International GmbH, Hamburg, which is accredited for this test.

Chlorate < 0.01 mg/kg

SPGF2 Fosetyl (total)

Method : Internal Method SPG-14.147-1, SPG-14.147, LC-MS/MS

Subcontracted to Eurofins Dr. Specht International GmbH, Hamburg, which is accredited for this test.

Phosphonic acid < 0.5 mg/kg

Fosetyl < 0.05 mg/kg

Fosetyl-Al (fosetyl+phosph. acid/salts as fosetyl) --- mg/kg

SPGG4 Glyphosate/AMPA/Glufosinate

Method : Internal Method SPG-14.158-3, SPG-14.158, LC-MS/MS

Subcontracted to Eurofins Dr. Specht International GmbH, Hamburg, which is accredited for this test.

Glufosinate < 0.01 mg/kg

Glyphosate Traces < 0.01 mg/kg

Aminomethylphosphonic acid (AMPA) < 0.01 mg/kg

SP111 Organonitrogen Pesticides and others (GC-MS)

Method : ASU L 00.00-34:2010-09, DFG-S19, GC-MS

Subcontracted to Eurofins Dr. Specht Laboratorien GmbH, Hamburg, which is accredited for this test.

Screened pesticides Not Detected

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SF00F Paraquat and diquat in fresh fruit, vegetables, vine, chia, seeds, sugar
Method : Internal Method, LA-LCMS-046-06, LC-MS/MS

Subcontracted to Eurofins SOFIA GmbH, Berlin, which is accredited for this test.

Diquat	<0.01	* mg/kg
Paraquat	<0.01	* mg/kg

JJ0G6 Regulated Mycotoxins in cereals (aflatoxine, Ochratoxin A, DON, ZON, T2, HT2)
Method : Internal Method, CON-PV 01126 (2020-05), LC-MS/MS

Subcontracted to Eurofins WEJ Contaminants GmbH, Hamburg, which is accredited for this test.

Aflatoxin B1	<0.5	* µg/kg
Aflatoxin B2	<0.5	* µg/kg
Aflatoxin G1	<0.5	* µg/kg
Aflatoxin G2	<0.5	* µg/kg
Sum of all positive Aflatoxins	<2	* µg/kg
Deoxynivalenol (Vomitoxin)	<20	* µg/kg
Zearalenone (ZON)	<20	* µg/kg
Ochratoxin A	<1	* µg/kg
T-2 Toxin	<10	* µg/kg
HT-2 Toxin	<10	* µg/kg
sum T-2 HT-2 toxin	<20	* µg/kg

Microbiological Analysis
UM86U Aerobic Plate Count 30°C E <100 >100000000 /g (1;3) PCA Agar-W ISO 4833-2
Method : ISO 4833-2, 2014-05, E-Cultural technique (spiral plate)

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Aerobic Plate Count 30°C	< 100	cfu/g
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ZM10X Moulds 25°C-Yeasts 25°C E <100 >2 000 000 /g (1-3) YEGC Agar-S §64 LFGB L 01.00-37 mod.
Method : §64 LFGB L 01.00-37 mod., E-Cultural technique (non-chromogenic media)

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Moulds 25°C	100	cfu/g
Yeast 25°C	< 100	cfu/g

UMH7G Escherichia coli 44°C E <10 >1500 /g (1) TBX Agar-P ISO 16649-2
Method : ISO 16649-2, 2009-12, E-Cultural technique (chromogenic media)

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Escherichia coli 44°C	< 10	cfu/g
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UMRRZ Presumptive Bacillus cereus 30°C E <10 >3000 /g (1) MYP Agar-S ISO 7932-M
Method : ISO 7932, 2004-06, E-Cultural technique (non-chromogenic media)

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Presumptive Bacillus cereus 30°C	< 10	cfu/g
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UM3QV Listeria monocytogenes D Abs Pres /25 g BACGene Listeria monocytogenes kit
Method : BACGene Listeria monocytogenes kit, 2018-03, Real-time PCR

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Listeria monocytogenes	nicht nachweisbar	/25 g
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UMU3Q Salmonella Abs Pres /125 g 0 (None) BHI broth-X-37 AFNOR NO QUA-18/3-11/2 PCR (BAX)
Method : QUA 18/03-11/02, 2013-05, Real-time PCR

Subcontracted to Eurofins BioTesting Services Nord GmbH, Hamburg, which is accredited for this test.

Salmonella	nicht nachweisbar	/125 g
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* = below indicated quantification level

(#) = Eurofins Analytik GmbH is accredited for this test.

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JUDGEMENT

The results of the above mentioned analyses are in accordance with the requirements of regulation (EC) 396/2005 (regulation on maximum residue levels of pesticides in or on food and feed) in its currently valid version.

With respect to the results of the above mentioned analyses, samples of the same quality which carry the organic label can therefore be traded likewise as long as they complies with the requirements of regulation (EU) 834/2007 on organic production and labelling of organic products read in conjunction with commission regulation (EC) No 889/2008 and its amendments.

Evaluation according to BNN criteria - Association of Organic Processors, Wholesalers and Retailers (in German: Bundesverband Naturkost Naturwaren (BNN) e.V.)

The results of the above mentioned analyses are in accordance with the "BNN Orientation Value for pesticides" of the Association of Organic Processors, Wholesalers and Retailers (Bundesverband Naturkost Naturwaren (BNN) e.V.) (version: August 2012, last editorial modifications 4th February 2014).

Signature



Analytical Service Manager (Dominique Günther)

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