

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

analytik@eurofins.de
www.eurofins.de

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

Report date 08.01.2021
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Analytical report AR-21-JK-002339-01

Sample Code 703-2020-00162341

Reference	Tricolor Pearl Royal Quinoa MOR-14-QT-12/20
Lot-no.	MOR-14-QT-12/20
Nr. of sample containers	1
Gross weight / volume	516,2g
Reception temperature	room temperature
Ordered by	Quality Department
Submitted by	accounts department
Sender	FedEx
Packaging	plastic bag
Reception date time	21.12.2020
Start/end of analyses	22.12.2020 / 08.01.2021

TEST RESULTS
Physical-chemical Analysis
SPECC Chlormequat

Method : Internal Method P-14.188-1, SPF-14.188, LC-MS/MS

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

Chlormequat	< 0.01	mg/kg
Chlormequat (total, calc. as Chlormequat Cl)	---	mg/kg

SP931 Pesticide-Screening Quechers LC-MS/MS

Method : DIN EN 15662:2018 mod., SPF-14.141, LC-MS/MS

(Modification: modification of extraction salt)

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

Screened pesticides Not Detected
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

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.

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Place of execution and place of jurisdiction is Hamburg - lower district court Hamburg HRB 917 32
General Manager: Dr. Katrin Hoenicke
VAT No.: DE127489506
Hypovereinsbank (BLZ 207 300 17) Konto-Nr. 7000000250 SWIFT-BIC HYVEDEMM17
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Deutsche
Akkreditierungsstelle
D-PL-14251-01-00

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.

Glyphosate	< 0.01	mg/kg
Aminomethylphosphonic acid (AMPA)	< 0.01	mg/kg
Glufosinate	< 0.01	mg/kg

SP936 Pesticide-Screening Quechers GC-MSD

Method : DIN EN 15662:2018, SPF-14.141, GC-MS

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

Screened pesticides Not Detected

SPEMM Mepiquat

Method : Internal Method P-14.188-1, SPF-14.188, LC-MS/MS

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

Mepiquat	< 0.01	mg/kg
Mepiquat (total, calc. as Mepiquat Chloride)	---	mg/kg

JJ006 Aflatoxins B1, B2, G1, G2 (food)

Method : DIN EN 14123 (2008-03), mod., CON-PV 00873 (2020-01), IAC-LC-FLD

(Modification: Expansion of application to foodstuffs in general and feed, adaptation of the extracting solvent and measurement conditions)

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

Aflatoxin B1	<0.1	* µg/kg
Aflatoxin B2	<0.1	* µg/kg
Aflatoxin G1	<0.1	* µg/kg
Aflatoxin G2	<0.1	* µg/kg
Sum of all positive Aflatoxins	<0.4	* µg/kg

A7126 Ochratoxin A (food)

Method : DIN EN 14132 (2009-09), mod., CON-PV 00850 (2020-01), IAC-LC-FLD

(Modification: modification of extraction solvent, additional post-column derivatisation; extension of the application scope to feed, tobacco and tobacco products)

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

Ochratoxin A (OTA)	<0.5	* µg/kg
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JJ62B Deoxynivalenol, Zearalenon (DON, ZON)

Method : Internal Method, CON-PV 00854 (2019-11), LC-MS/MS

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

Deoxynivalenol (Vomitoxin)	<20	* µg/kg
Zearalenone (ZON)	<10	* µg/kg

JCTA1 Tropane alkaloids (Atropine, Scopolamine)

Method : Internal Method, CON-PV 01346 (2019-08), LC-MS/MS

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

Atropine	<1	* µg/kg
Scopolamine	<1	* 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	4000	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

UM0MD Clostridium Perfringens <10 >15000 /g 2 (1-2) SB Agar-P-37 ISO 7937

Method : ISO 7937, 2004-08, E-Cultural technique (non-chromogenic media)

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

Clostridium perfringens	< 10	cfu/g
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UM0T1 Enterobacteriaceae 37°C E <100 >1 500 000 /g (2-4) VRBD Agar-P ISO 21528-2

Method : BS ISO 21528-2:2004, 2017-04, E-Cultural technique (non-chromogenic media)

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

Enterobacteriaceae 37°C	100	cfu/g
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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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UMFD3 Coagulase positive Staphylococcus 37°C E <10 >4500 /g (1) BP Agar-S ISO 6888-1-M

Method : ISO 6888-1 mod., 1999-02, E-Cultural technique (non-chromogenic media)

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

Coagulase positive Staphylococcus 37°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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UMTK5 Salmonella D Abs Pres /25 g ISO 6579

Method : ISO 6579, 2017-07, D-Cultural technique (non-chromogenic media)

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

Salmonella	nicht nachweisbar	/25 g
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Molecularbiological Analysis

JJ604 Detection and determination of gluten (#)

Method : r-biopharm Test-Combination R7001:2015-10, mod., PV 01193, ELISA [Sandwich ELISA]

(Modification: apply also on equipment and commodities from the food production as well as cleaning water)

Gluten	Not Detected	
Gluten	<5	* mg/kg

* = below indicated quantification level

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

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

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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.

Signature


Analytical Service Manager (Dominique Günther)

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