

• ROTTERDAM • LIMA •

Analytical Report

GFI Greenfood International BV

Attn: De heren Feenstra en v.d. Kraats
Postbus 159
3880 AD Putten
Netherlands

Reportnr.	: 1496724 version 1	Sampling Date	*: 07-Dec-2021
Sample Arrival Date	: 09-Dec-2021 11:59	Sample size (kg)	: 1,952
ReportDate Version	: 13-Dec-2021 14:14		
Packing	: Plastic, ambient		

Sample information *

Disponent Number	: B21000527/2256137	Product specification	: Organic Wheat
Sealed / Seal Code	: Yes / Q.Insp QG01 011344	Origin	: Ukraine
		TonnageEx Lot (mt)	: 5894,990
		AWB / BarCode	: 1238075860

Disp. Remark : lot:05-114-202-01, ref Qualitas inspec.:
20211599, ref greenfood: 05-114-2021-01
B21000527 2256137

* Information supplied by customer (TLR takes no responsibility for this information).

Composition Determination

Metal and other elements

Parameter	Result (as received)	
Cd (Cadmium)	0,025	mg/kg Q R2
Pb (Lead)	< 0,05	mg/kg Q R2
As (Arsenic)	< 0,040	mg/kg Q R2
Hg (Mercury)	< 0,005	mg/kg Q R2

Microbiological Determination

Common

Parameter	Result (as received)	
Salmonella	Not detected / 25g	Q R2

Contaminations

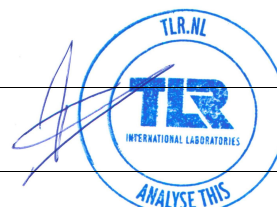
Mycotoxins

Parameter	Result (as received)	
Aflatoxin B1..	< 1,0	µg/kg Q R2
Aflatoxin B2	< 1,0	µg/kg Q R2
Aflatoxin G1	< 1,0	µg/kg Q R2
Aflatoxin G2	< 1,0	µg/kg Q R2
Aflatoxin Total	< 1,5	µg/kg R2
Deoxynivalenol (DON) / Vomitoxin	< 100	µg/kg Q R2
Ochratoxin A (OTA)	< 1,0	µg/kg Q R2
Zearalenone (ZEA)	< 5,0	µg/kg Q R2

EFSA/TEF- calculation with moisture content 12%

Parameter	Result (as received)	
WHO (PCDD/PCDF) TEQ 88%dm.	0,135	ng/kg max 0,75 ng/kg as per 2002/32 Q R2
WHO (PCDD/F/PCB) TEQ 88%dm	0,266	ng/kg max 1,25 ng/kg as per 2002/32 Q R2
WHO (PCB)-TEQ 88%dm	0,131	ng/kg For assement of EU limits feed Q R2
Sum ndl-PCB's (ICES-6) Up.bound	3,0	µg/kg For assement of EU limits feed Q R2
Moisture tbv Dioxines	10,80	% R2

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EFSA/TEF- calculation wet weight

Parameter Result (as received)

WHO (PCDD/PCDF) Up.bound 0,137 ng/kg
WHO-PCB- TEQ Up.bound 0,132 ng/kg
WHO-PCDD/F-PCB- Up.bound 0,269 ng/kg

Q R2
Q R2
Q R2

Dioxins, dl PCBs, ndl PCBs

Parameter Result (as received)

PCB-77 < 1,0 ng/kg
PCB-81 < 1,0 ng/kg
PCB-126 < 1,0 ng/kg
PCB-169 < 1,0 ng/kg
PCB-105 < 5 ng/kg
PCB-114 < 10 ng/kg
PCB-118 < 20 ng/kg
PCB-123 < 5 ng/kg
PCB-156 < 5 ng/kg
PCB-157 < 5 ng/kg
PCB-167 < 5 ng/kg
PCB-189 < 5 ng/kg
WHO (PCB-TEQ) Medium bound 0,07 ng/kg
WHO (PCB) Lower bound < 0,00 ng/kg

Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2
Q R2

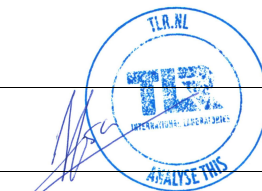
Dioxins

Parameter Result (as received)

2,3,7,8-TCDD < 0,04 ng/kg
1,2,3,7,8-PeCDD < 0,04 ng/kg
1,2,3,4,7,8-HxCDD < 0,05 ng/kg
1,2,3,6,7,8-HxCDD < 0,05 ng/kg
1,2,3,7,8,9-HxCDD < 0,05 ng/kg
1,2,3,4,6,7,8-HpCDD < 0,05 ng/kg
OCDD < 2,0 ng/kg
2,3,7,8-TCDF < 0,04 ng/kg
1,2,3,7,8-PeCDF < 0,04 ng/kg
2,3,4,7,8-PeCDF < 0,04 ng/kg
1,2,3,4,7,8-HxCDF < 0,05 ng/kg
1,2,3,6,7,8-HxCDF < 0,05 ng/kg
1,2,3,7,8,9-HxCDF < 0,05 ng/kg
2,3,4,6,7,8-HxCDF < 0,05 ng/kg

Q R2
Q R2
Q R2
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Q R2
Q R2
Q R2

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1,2,3,4,6,7,8-HpCDF	< 0,15 ng/kg		Q R2
1,2,3,4,7,8,9-HpCDF	< 0,15 ng/kg		Q R2
OCDF	< 2,0 ng/kg		Q R2
WHO-PCDD/PCDF-TEQ Med.boun	< 0,07 ng/kg		Q R2
WHO (PCDD/PCDF) Low.bound	< 0,001 ng/kg		Q R2
WHO-PCDD/F-PCB-TEQ Med.bou	0,135 ng/kg		Q R2
WHO-PCDD/F-PCB-TEQ Low.bou	< 0,001 ng/kg		R2
Poly Chlorinated Biphenyls			
Parameter	Result (as received)		
PCB 28	< 0,50 µg/kg		Q R2
PCB 52	< 0,50 µg/kg		Q R2
PCB 101	< 0,50 µg/kg		Q R2
PCB 138	< 0,50 µg/kg		Q R2
PCB 153	< 0,50 µg/kg		Q R2
PCB 180	< 0,50 µg/kg		Q R2

Q - Analyses ISO 17025 accredited by RVA (ILAC)
R2 - Carried out by TLR International Laboratories, location Rotterdam

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ANNEX

Analyses

Salmonella standaard (25 g) PCR

Start date

09-12-2021

Method Descriptions

Composition Determination

Metal and other elements

Method Description

Determination of arsenic (As), Cadmium (Cd), Lead (Pb); ICP-MS;
***Foodstuffs:destruction Acc. NEN-EN 13805, Analysis Acc NEN-EN-15763

Determination of Mercury (Hg); Hg-analyser

Animalfeed/feedingstuff : eq. NEN-EN16277 Food : eq. NEN-EN15763

Method Code

Own method***

Microbiological Determination

Common

Method Description

Detection of Salmonella (RT-PCR); [Microval 2011-LR40]

Method Code

Eq EN-ISO- 6579-1

Contaminations

Mycotoxins

Method Description

Determination of mycotoxins; HPLC MS/MS

Method Code

Own method

EFSA/TEF- calculation with moisture content 1

Method Description

Calculation feed of Toxic Equivalency Factors for dioxins and dioxinlike PCB's [NEN-EN-16215]

Method Code

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EFSA/TEF- calculation wet weight

Method Description

Calculation food of Toxic Equivalency Factors for dioxins and dioxinlike PCB's [NEN-EN-16215]

Method Code

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Determination of dioxins and dioxinlike PCB's in food and animal feedings stuff
According to NEN-EN 16215 and EC771/2017

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Dioxins

Method Description

Determination of dioxins and dioxinlike PCB's in food and animal feedings stuff
According to NEN-EN 16215 and EC771/2017

Method Code

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The mediumbound conc: For the calculation of the total TEQ, the values lower than LOQ, were regarded as the value of half of LOQ
The lowerbound conc: For the calculation of the TEQ, the values lower than LOQ, were regarded as zero.

Poly Chlorinated Biphenyls

Method Description

Determination of the content of PCBs; GPC-LC-GCMS method

Method Code

Own method

Abbreviations:

acc: in accordance with
eq: Equivalent to

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