INTERNATIONAL LABORATORIES

Bankwerkerstraat 16
3077 MB Rotterdam
The Netherlands
T. +31 (0)10-28 23 292
e-mail: info@tlr.nl

Analytical Report

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

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

TLR.NL INTERNATIONAL LABORATORIES ANALYSE THIS

Requested 09-Dec-2021 by Qualitas Inspection
Analyses according to annex
Drs. ing. H. Janssens Director TLR International Laboratories

FOSFA INTERNATIONAL Gafta RvA L 059

INTERNATIONAL LABORATORIES

Bankwerkerstraat 16
3077 MB Rotterdam
The Netherlands
T. +31 (0)10-28 23 292
e-mail: info@tlr.nl

Analytical Report

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

EFSA/TEF- calculation wet weight

Parameter	Result (as received)			
WHO (PCDD/PCDF) Up.bound	0,137	ng/kg	Q	R2
WHO-PCB- TEQ Up.bound	0,132	ng/kg	Q	R2
WHO-PCDD/F-PCB- Up.bound	0,269	ng/kg	Q	R2

Dioxins, dl PCBs, ndl PCBs

Parameter	Result (as received)			
PCB-77	< 1,0	ng/kg	Q	R2
PCB-81	< 1,0	ng/kg	Q	R2
PCB-126	< 1,0	ng/kg	Q	R2
PCB-169	< 1,0	ng/kg	Q	R2
PCB-105	< 5	ng/kg	Q	R2
PCB-114	< 10	ng/kg	Q	R2
PCB-118	< 20	ng/kg	Q	R2
PCB-123	< 5	ng/kg	Q	R2
PCB-156	< 5	ng/kg	Q	R2
PCB-157	< 5	ng/kg	Q	R2
PCB-167	< 5	ng/kg	Q	R2
PCB-189	< 5	ng/kg	Q	R2
WHO (PCB-TEQ) Medium bound	0,07	ng/kg	Q	R2
WHO (PCB) Lower bound	< 0,00	ng/kg	Q	R2

Dioxins

Parameter	Result (as received)			
2,3,7,8-TCDD	< 0,04	ng/kg	Q	R2
1,2,3,7,8-PeCDD	< 0,04	ng/kg	Q	R2
1,2,3,4,7,8-HxCDD	< 0,05	ng/kg	Q	R2
1,2,3,6,7,8-HxCDD	< 0,05	ng/kg	Q	R2
1,2,3,7,8,9-HxCDD	< 0,05	ng/kg	Q	R2
1,2,3,4,6,7,8-HpCDD	< 0,05	ng/kg	Q	R2
OCDD	< 2,0	ng/kg	Q	R2
2,3,7,8-TCDF	< 0,04	ng/kg	Q	R2
1,2,3,7,8-PeCDF	< 0,04	ng/kg	Q	R2
2,3,4,7,8-PeCDF	< 0,04	ng/kg	Q	R2
1,2,3,4,7,8-HxCDF	< 0,05	ng/kg	Q	R2
1,2,3,6,7,8-HxCDF	< 0,05	ng/kg	Q	R2
1,2,3,7,8,9-HxCDF	< 0,05	ng/kg	Q	R2
2,3,4,6,7,8-HxCDF	< 0,05	ng/kg	Q	R2

Bankwerkerstraat 16
3077 MB Rotterdam
The Netherlands
T. +31 (0)10-28 23 292
e-mail: info@tlr.nl

• ROTTERDAM • LIMA •

Analytical Report

Reportnr. : **1496724 version 1**
Sample Arrival Date : 09-Dec-2021 11:59
ReportDate Version : **13-Dec-2021 14:14**
Packing : Plastic, ambient

Sampling Date * : 07-Dec-2021
Samplesize (kg) : 1,952

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

INTERNATIONAL LABORATORIES

Bankwerkerstraat 16
3077 MB Rotterdam
The Netherlands
T. +31 (0)10-28 23 292
e-mail: info@tlr.nl

Analytical Report

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

ANNEX

Analyses	Start date
Salmonella standaard (25 g) PCR	09-12-2021

Method Descriptions

Composition Determination

Metal and other elements

Method Description	Method Code
Determination of arsenic (As), Cadmium (Cd), Lead (Pb); ICP-MS; ***Foodstuffs:destruction Acc. NEN-EN 13805,Analysis Acc NEN-EN-15763	Own method***
Determination of Mercury (Hg); Hg-analyser Animalfeed/feedingstuff : eq. NEN-EN16277 Food : eq. NEN-EN15763	.

Microbiological Determination

Common

Method Description	Method Code
Detection of Salmonella (RT-PCR); [Microval 2011-LR40]	Eq EN-ISO- 6579-1

Contaminations

Mycotoxins

Method Description	Method Code
Determination of mycotoxins; HPLC MS/MS	Own method

EFSA/TEF- calculation with moisture content 1

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

EFSA/TEF- calculation wet weight

Method Description	Method Code
Calculation food of Toxic Equivalency Factors for dioxins and dioxinlike PCB's [NEN-EN-16215]	.
Determination of dioxines and dioxinlike PCB's in food and animal feedings stuff According to NEN-EN 16215 and EC771/2017	--

Dioxins

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

INTERNATIONAL LABORATORIES

Bankwerkerstraat 16
3077 MB Rotterdam
The Netherlands
T. +31 (0)10-28 23 292
e-mail: info@tlr.nl

• ROTTERDAM • LIMA •

Analytical Report

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

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	Method Code
Determination of the content of PCBs; GPC-LC-GCMS method	Own method

Abbreviations:

acc: in accordance with
eq: Equivalent to