

Handelsweg 70 2988 DB Ridderkerk The Netherlands T. +31 (0)10-28 23 292 e-mail: info@tlr.nl

ROTTERDAM

LIMA

Analytical Report

Control Union Turkey

Attn: Mrs. B. Noyin

Tatlisu Mah. Pakdil Sk. No:9 PK:34774 Ümraniye ISTANBUL

Turkey

Reportnr. : 1884698 version 1
Sample Arrival Date : 09-Aug-2024 10:45 Sampling Date
ReportDate Version : 16-Aug-2024 16:54 Samplesize (kg)
Packing : Plastic, ambient Seal / Seal Code

Sample information *

Seller Unloader : Prometa

Product specification : Acid Oil For Feed

Origin :Turkey

AWB / BarCode : TNT 234979953

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

*: 09-Aug-2024

:0,53

:No/

Composition Determination Metal and other elements

Parameter	Result (as received)			
Cd (Cadmium)	< 0,010 mg/kg			
Pb (Lead)	< 0,050 mg/kg			
As (Arsenic)	0,045 mg/kg			
Hg (Mercury)	< 0,005 mg/kg			

Contaminations

EFSA/TEF- calculation with moisture content 12% Parameter Result (as received)

i didilictoi	result (as received)		
WHO (PCDD/PCDF) -TEQ/kg	g (88 < 0,260	ng/kg 88% dm	max 0,75 ng/kg as per 2002/32
WHO(PCDD/F/PCB) TEQ/kg	88%d < 0,550	ng/kg 88% dm	max 1,5 ng/kg as per 2002/32
WHO (PCB)-TEQ/kg (88%dn	n). < 0,246	ng/kg 88% dm	For assement of EU limits feed
Sum ndl-PCB's (ICES-6) Up.	bound 3,0	μg/kg	

0,51

EFSA/TEF- calculation wet weight

Parameter	Result (as re	ceived)	Kit !
WHO (PCDD/PCDF); Upper b	ound	0,27	ng/kg TEQ
WHO-PCDD/F-PCB- Up.boun	d	0,543	ng/kg TEQ
WHO (PCB) upperbound.		0,269	ng/kg TEQ

Dioxins, dl PCBs, ndl PCBs

Moisture tbv Dioxines.

Dioxilia, di i CDa, ildi i CDa			
Parameter	Result (as	received)	X
PCB-77.		10,4	ng/kg fat
PCB-81.	1	< 2,0	ng/kg fat
PCB-126.		< 2,0	ng/kg fat
PCB-169		< 2,0	ng/kg fat
PCB-105.		64	ng/kg fat
PCB-114.		< 20	ng/kg fat
PCB-118.		108	ng/kg fat
PCB-123.		< 10	ng/kg fat
PCB-156.		< 10	ng/kg fat
PCB-157.		< 10	ng/kg fat

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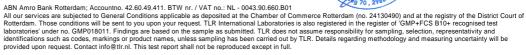
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PCB-167.		< 10	ng/kg fat			Q	R
PCB-189.	1/1/	< 10	ng/kg fat			Q	R
WHO (PCB); Med	iumbound	0,14	ng/kg TEQ			Q	R
WHO (PCB); Low	er bound.	0,01	ng/kg TEQ			Q	R
Dioxins		W					
Parameter	Result (as received)	17				
2,3,7,8-TCDD.		< 0,08	ng/kg fat		No. 1. A	Q	R
1,2,3,7,8-PeCDD.		< 0,08	ng/kg fat	200		Q	R
1,2,3,4,7,8-HxCDI	D	< 0,10	ng/kg fat			Q	R
1,2,3,6,7,8-HxCDI	0.	< 0,10	ng/kg fat		1.11.	Q	R
1,2,3,7,8,9-HxCDI	D. 3	< 0,10	ng/kg fat			Q	R
1,2,3,4,6,7,8-HpC	The state of the s	0,16	ng/kg fat			Q	R
OCDD.		< 4,0	ng/kg fat			Q	R
2,3,7,8-TCDF.		< 0,08	ng/kg fat			Q	R
1,2,3,7,8-PeCDF.		< 0,08	ng/kg fat			Q	R
2,3,4,7,8-PeCDF.	V: 1.5	< 0,08	ng/kg fat	i A		Q	R
1,2,3,4,7,8-HxCDF	1 12	< 0,10	ng/kg fat			Q	R
1,2,3,6,7,8-HxCDF	- \	< 0,10	ng/kg fat			Q	R
1,2,3,7,8,9-HxCDF		< 0,10	ng/kg fat			Q	R
2,3,4,6,7,8-HxCDF		< 0,10	ng/kg fat			Q	R
1,2,3,4,6,7,8-HpC	/	< 0,30	ng/kg fat		-/-/	Q	R
1,2,3,4,7,8,9-HpC		< 0,30	ng/kg fat			Q	R
OCDF.	#11.	< 4,0	ng/kg fat	X 7/X /		Q	R
WHO (PCDD/PCD	OF); Medium bou	0,14	ng/kg TEQ	/		Q	R
WHO-PCDD/F-PC	and the second	0,28	ng/kg TEQ			Q	R
WHO-PCDD/F-PC	B Lower bound	0,01	ng/kg TEQ	- HAX		Q	R
WHO (PCDD/PCD	OF); Lower bound	0,002	ng/kg TEQ			Q	R
Poly Chlorinated E		1/2/-					
Parameter		as received))				
PCB 28	1 /	< 0,50	μg/kg	122		Q	R
PCB 52		< 0,50	μg/kg			Q	R
PCB 101		< 0,50	μg/kg			Q	R
PCB 138		< 0,50	μg/kg			Q	R
PCB 153		< 0,50	μg/kg		701	Q	R
PCB 180		< 0,50	μg/kg	The state of the s		Q	R

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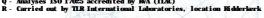
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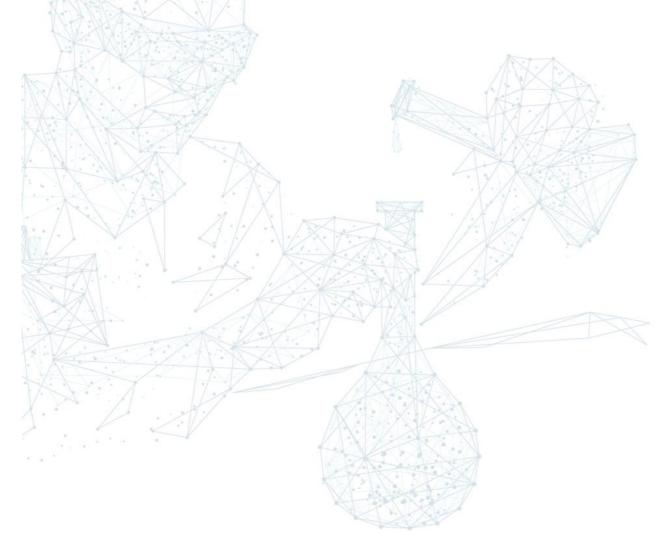
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ANNEX

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

Contaminations

EFSA/TEF- calculation with moisture content 1

Method Description

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

EFSA/TEF- calculation wet weight

Method Description

Calculation food of Toxic Equivalency Factors for dioxins and dioxinlike PCB's [NEN-EN-162151

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

Dioxins

Method Description

Determination of dioxines and dioxinlike PCB's in food and animal feedings stuff According to NEN-EN 16215 and EU644/2017

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

Abbreviations:

acc: in accordance with eq: Equivalent to

Method Code

Own method*

Method Code

Method Code

Method Code

Method Code

Own method

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