

• ROTTERDAM • LIMA •

## Analytical Report

**Control Union Turkey**  
Attn: Mrs. B. Noyin  
Tatlisu Mah. Pakdil Sk. No:9  
PK:34774 Ümraniye ISTANBUL  
Turkey

Reportnr.	: 1843652 version 1	Sampling Date	* : 05-Apr-2024
Sample Arrival Date	: 09-Apr-2024 10:33	Samplesize (kg)	: 0,855
ReportDate Version	: 11-Apr-2024 18:00	Seal / Seal Code	: No /
Packing	: Plastic, ambient		

### Sample information \*

Seller Unloader	: Prometa	Product specification	: Acid oil for feed
		Origin	: Turkey
		AWB / BarCode	: 127475643

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

### Composition Determination

#### Metal and other elements

Parameter	Result (as received)		
Cd (Cadmium)	< 0,10	mg/kg	R
Pb (Lead)	< 1,00	mg/kg	R
As (Arsenic)	< 0,20	mg/kg	R
Hg (Mercury)	< 0,05	mg/kg	R

### Contaminations

#### EFSA/TEF- calculation with moisture content 12%

Parameter	Result (as received)		
WHO (PCDD/PCDF) TEQ 88%dm.	0,242	ng/kg	max 0,75 ng/kg as per 2002/32
WHO (PCDD/F/PCB) TEQ 88%dm	0,479	ng/kg	max 1,25 ng/kg as per 2002/32
WHO (PCB)-TEQ 88%dm	0,236	ng/kg	For assesment of EU limits feed
Sum ndl-PCB's (ICES-6) Up.bound	3,0	µg/kg	
Moisture tbv Dioxines.	< 0,10	%	

#### EFSA/TEF- calculation wet weight

Parameter	Result (as received)		
WHO (PCDD/PCDF) Up.bound	0,27	ng/kg	Q R
WHO-PCB- TEQ Up.bound	0,27	ng/kg	Q R
WHO-PCDD/F-PCB- Up.bound	0,543	ng/kg	Q R

#### Dioxins, dl PCBs, ndl PCBs

Parameter	Result (as received)		
PCB-77	8,2	ng/kg	Q R
PCB-126	< 1,0	ng/kg	Q R
PCB-169	< 1,0	ng/kg	Q R
PCB-105	56	ng/kg	Q R
PCB-157	< 5	ng/kg	Q R
WHO (PCB-TEQ) Medium bound	0,14	ng/kg	Q R
WHO (PCB) Lower bound	0,01	ng/kg	Q R
PCB-81.	< 1,00	ng/kg	Q R
PCB-123.	< 5,00	ng/kg	Q R
PCB-118.	109	ng/kg	Q R

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Page 1 of 4

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PCB-114.	< 10,00	ng/kg	Q	R
PCB-167.	< 5,00	ng/kg	Q	R
PCB-156.	< 5,00	ng/kg	Q	R
PCB-189.	< 5,00	ng/kg	Q	R
<b>Dioxins</b>				
<b>Parameter</b>	<b>Result (as received)</b>			
1,2,3,4,6,7,8-HpCDD.	0,20	ng/kg	Q	R
OCDD.	< 2,00	ng/kg	Q	R
2,3,7,8-TCDF.	< 0,04	ng/kg	Q	R
1,2,3,7,8-PeCDF.	< 0,04	ng/kg	Q	R
2,3,4,6,7,8-HxCDF.	< 0,05	ng/kg	Q	R
2,3,7,8-TCDD	< 0,04	ng/kg	Q	R
1,2,3,7,8-PeCDD	< 0,04	ng/kg	Q	R
1,2,3,4,7,8-HxCDD	< 0,05	ng/kg	Q	R
1,2,3,6,7,8-HxCDD	< 0,05	ng/kg	Q	R
1,2,3,7,8,9-HxCDD	< 0,05	ng/kg	Q	R
2,3,4,7,8-PeCDF	< 0,04	ng/kg	Q	R
1,2,3,4,7,8-HxCDF	< 0,05	ng/kg	Q	R
1,2,3,6,7,8-HxCDF	< 0,05	ng/kg	Q	R
1,2,3,7,8,9-HxCDF	< 0,05	ng/kg	Q	R
1,2,3,4,6,7,8-HpCDF	< 0,15	ng/kg	Q	R
1,2,3,4,7,8,9-HpCDF	< 0,15	ng/kg	Q	R
OCDF	< 2,0	ng/kg	Q	R
WHO-PCDD/PCDF-TEQ Med.boun	0,14	ng/kg	Q	R
WHO (PCDD/PCDF) Low.bound	0,002	ng/kg	Q	R
WHO-PCDD/F-PCB-TEQ Med.bou	0,276	ng/kg	Q	R
WHO-PCDD/F-PCB-TEQ Low.bou	0,008	ng/kg	Q	R
<b>Poly Chlorinated Biphenyls</b>				
<b>Parameter</b>	<b>Result (as received)</b>			
PCB 28	< 0,5	µg/kg	Q	R
PCB 52	< 0,5	ug/kg	Q	R
PCB 101	< 0,50	ug/kg	Q	R
PCB 138	< 0,50	ug/kg	Q	R
PCB 153	< 0,50	ug/kg	Q	R
PCB 180	< 0,50	ug/kg	Q	R

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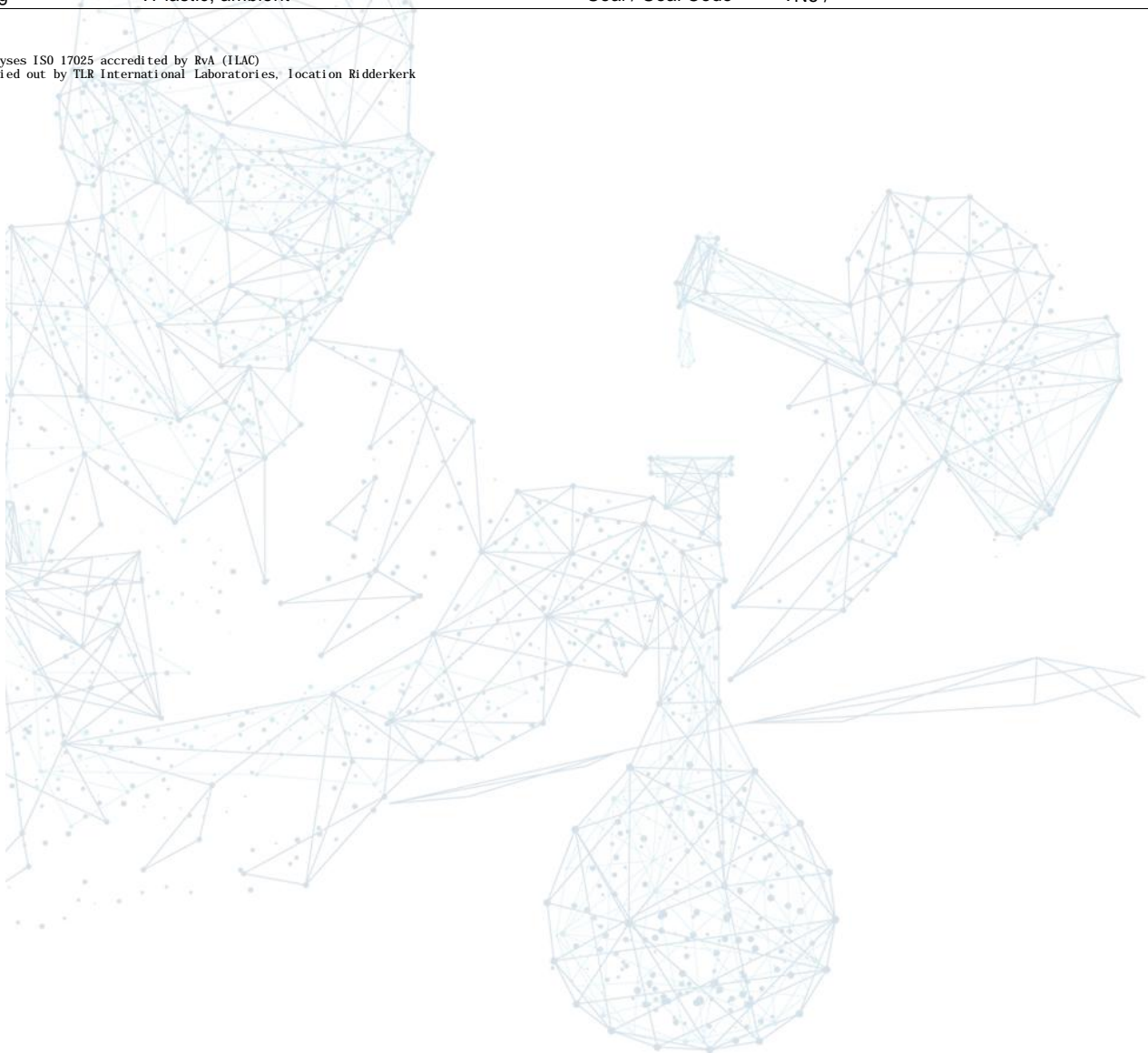
Page 2 of 4

• ROTTERDAM • LIMA •

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Q - Analyses ISO 17025 accredited by RvA (ILAC)  
R - Carried out by TLR International Laboratories, location Ridderkerk



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Page 3 of 4

• ROTTERDAM • LIMA •

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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

##### Method Code

Own method\*\*\*

#### 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]

##### 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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#### Dioxins

##### Method Description

Determination of dioxines 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

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

#### Abbreviations:

acc: in accordance with

eq: Equivalent to

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Page 4 of 4