

• 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	Sampling Date * : 09-Aug-2024
Sample Arrival Date : 09-Aug-2024 10:45	Samplesize (kg) : 0,53
ReportDate Version : 16-Aug-2024 16:54	Seal / Seal Code : No /
Packing : Plastic, ambient	

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).

Composition Determination

Metal and other elements

Parameter	Result (as received)		Q	R
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)		Q	R
WHO (PCDD/PCDF) -TEQ/kg (88	< 0,260 ng/kg 88% dm	max 0,75 ng/kg as per 2002/32		
WHO(PCDD/F/PCB) TEQ/kg88%d	< 0,550 ng/kg 88% dm	max 1,5 ng/kg as per 2002/32		
WHO (PCB)-TEQ/kg (88%dm).	< 0,246 ng/kg 88% dm	For assesment of EU limits feed		
Sum ndl-PCB's (ICES-6) Up.bound	3,0 µg/kg			
Moisture tbv Dioxines.	0,51 %			

EFSA/TEF- calculation wet weight

Parameter	Result (as received)		Q	R
WHO (PCDD/PCDF); Upper bound	0,27 ng/kg TEQ			
WHO-PCDD/F-PCB- Up.bound	0,543 ng/kg TEQ			
WHO (PCB) upperbound.	0,269 ng/kg TEQ			

Dioxins, dl PCBs, ndl PCBs

Parameter	Result (as received)		Q	R
PCB-77.	10,4 ng/kg fat			
PCB-81.	< 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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PCB-167.	< 10	ng/kg fat	Q	R
PCB-189.	< 10	ng/kg fat	Q	R
WHO (PCB); Mediumbound	0,14	ng/kg TEQ	Q	R
WHO (PCB); Lower bound.	0,01	ng/kg TEQ	Q	R
Dioxins				
Parameter	Result (as received)			
2,3,7,8-TCDD.	< 0,08	ng/kg fat	Q	R
1,2,3,7,8-PeCDD.	< 0,08	ng/kg fat	Q	R
1,2,3,4,7,8-HxCDD.	< 0,10	ng/kg fat	Q	R
1,2,3,6,7,8-HxCDD.	< 0,10	ng/kg fat	Q	R
1,2,3,7,8,9-HxCDD.	< 0,10	ng/kg fat	Q	R
1,2,3,4,6,7,8-HpCDD.	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.	< 0,08	ng/kg fat	Q	R
1,2,3,4,7,8-HxCDF.	< 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-HpCDF.	< 0,30	ng/kg fat	Q	R
1,2,3,4,7,8,9-HpCDF.	< 0,30	ng/kg fat	Q	R
OCDF.	< 4,0	ng/kg fat	Q	R
WHO (PCDD/PCDF); Medium bou	0,14	ng/kg TEQ	Q	R
WHO-PCDD/F-PCB; Medium boun	0,28	ng/kg TEQ	Q	R
WHO-PCDD/F-PCB Lower bound	0,01	ng/kg TEQ	Q	R
WHO (PCDD/PCDF); Lower bound	0,002	ng/kg TEQ	Q	R
Poly Chlorinated Biphenyls				
Parameter	Result (as received)			
PCB 28	< 0,50	µg/kg	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	Q	R
PCB 180	< 0,50	µg/kg	Q	R

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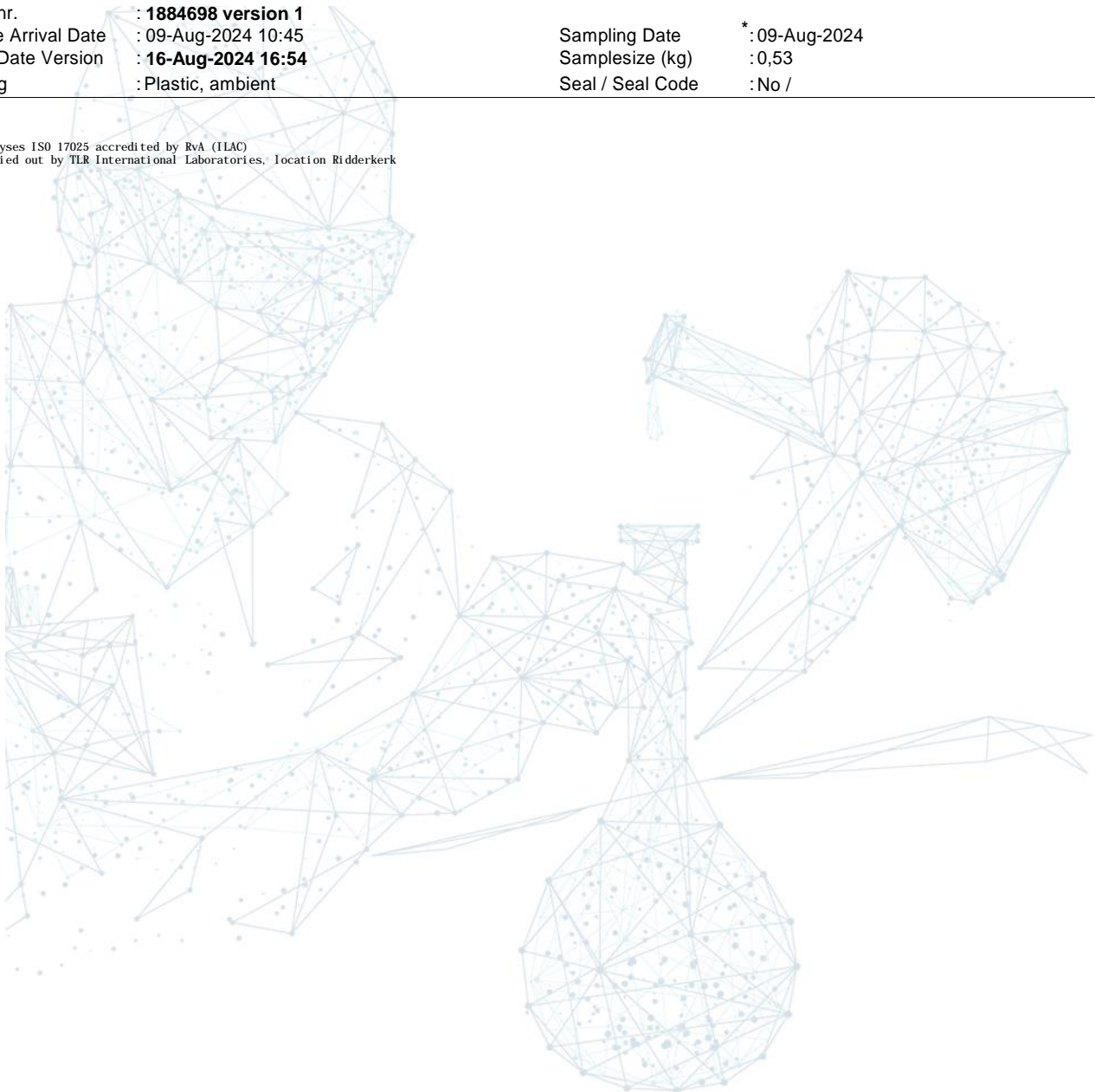
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Q - Analyses ISO 17025 accredited by RvA (ILAC)
R - Carried out by TLR International Laboratories, Location Ridderkerk



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

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.

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