

ANALYTICAL REPORT

Number : 2004246 date : 08-aug.-2025

Control Union Turkey

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

Reportnr. : 2004246 version 1
Sample Arrival Date : 05-aug.-2025 07:22
ReportDate Version : 08-aug.-2025 13:00
Packing : Plastic, ambient

Sampling Date * : 04-aug.-2025
Samplesize (kg) : 0,496
Sealed / Seal Code : No

Sample information *

Seller Unloader : Prometa

Product specification : Acid Oil for feed
Origin : Turkey
AWB / BarCode : 220353271

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

Composition Determination

Metal and other elements

Parameter	Result (as received)	
Cd (Cadmium)	< 0,010 mg/kg	Q R
Pb (Lead)	< 0,050 mg/kg	Q R
As (Arsenic)	< 0,040 mg/kg	Q R
Hg (Mercury)	0,006 mg/kg	Q R

Contaminations

EFSA/TEF- calculation with moisture content 12%

Parameter	Result (as received)	
WHO (PCDD/PCDF) -TEQ/kg (88%dm)	0,305 ng/kg 88% dm	max 0,75 ng/kg as per 2002/32 Q R
WHO(PCDD/F/PCB) TEQ/kg88%dm	0,603 ng/kg 88% dm	max 1,5 ng/kg as per 2002/32 Q R
WHO (PCB)-TEQ/kg (88%dm).	0,298 ng/kg 88% dm	For assement of EU limits feed Q R
Sum ndl-PCB's (ICES-6) Up.bound..	3,3 µg/kg	Q R
Moisture tbv Dioxines.	< 0,10 %	R

EFSA/TEF- calculation wet weight

Parameter	Result (as received)	
WHO (PCDD/PCDF); Upper bound	0,30 ng/kg TEQ	Q R
WHO-PCDD/F-PCB- Up.bound	0,603 ng/kg TEQ	Q R
WHO (PCB) upperbound.	0,298 ng/kg TEQ	R

Dioxins, dl PCBs, ndl PCBs

Parameter	Result (as received)	
PCB-77.	8,9 ng/kg fat	Q R
PCB-81.	< 2,0 ng/kg fat	Q R
PCB-126.	< 2,0 ng/kg fat	Q R
PCB-169..	< 2,0 ng/kg fat	Q R
PCB-105.	10 ng/kg fat	Q R
PCB-114.	22 ng/kg fat	Q R
PCB-118.	< 20,00 ng/kg fat	Q R
PCB-123.	14 ng/kg fat	Q R
PCB-156.	76 ng/kg fat	Q R
PCB-157.	18 ng/kg fat	Q R

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Dioxins, dl PCBs, ndl PCBs

Parameter	Result (as received)		
PCB-167.	27	ng/kg fat	Q R
PCB-189.	< 10	ng/kg fat	Q R
WHO (PCB); Mediumbound	0,17	ng/kg TEQ	Q R
WHO (PCB); Lower bound.	0,04	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.	0,14	ng/kg fat	Q R
OCDD.	4,1	ng/kg fat	Q R
2,3,7,8-TCDF.	< 0,08	ng/kg fat	Q R
1,2,3,7,8-PeCDF.	0,20	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.	0,37	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 bound	0,18	ng/kg TEQ	Q R
WHO-PCDD/F-PCB; Medium bound	0,34	ng/kg TEQ	Q R
WHO-PCDD/F-PCB Lower bound	0,08	ng/kg TEQ	Q R
WHO (PCDD/PCDF); Lower bound	0,046	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	0,64	µg/kg	Q R

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Poly Chlorinated Biphenyls

Parameter	Result (as received)
PCB 138	0,64 µg/kg
PCB 153	0,54 µg/kg
PCB 180	< 0,50 µg/kg

Q R
Q R
Q R

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

Dioxins

Method Description

Determination of dioxines and dioxinlike PCB's in food and animal feedings stuff
NEN-EN 16215 and (EU) 2017/644
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.

Method Code
Eq.NEN-EN 16215

EFSA/TEF- calculation wet weight

Method Description

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
NEN-EN 16215 and (EU) 2017/771

Method Code
Acc.NEN-EN 16215

EFSA/TEF- calculation with moisture content 12%

Method Description

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

Method Code

Poly Chlorinated Biphenyls

Method Description

Determination of the content of PCBs; GC/MS method

Method Code
Own method

Abbreviations:

acc : in accordance with
eq : Equivalent to

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