

RED B.V.
Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

No. 2025020220

Date of certificate: 12-6-2025
Instruction received on 5-6-2025
Sample received 6-6-2025
Start of laboratory activities 6-6-2025
End of laboratory activities 12-6-2025
Product Soyabean lecithin
Packing 1 Plastic bottle
Sample quantity 523 ml
Sample temperature Ambient
Sample sealed No



Customer sample information

Batch number BA001682
Sample number M20251009
Product Soybean lecithin

Test Results:

Expanded MU¹

2025020220.00

Package

Arsenic (As) (7440-38-2)	Less than 0,015 mg/kg
Cadmium (Cd) (7440-43-9)	0,009 mg/kg
Lead (Pb) (7439-92-1)	Less than 0,02 mg/kg
Mercury (Hg) (7439-97-6)	Less than 0,02 mg/kg

Package

accredited method (accreditation number L440)

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All analysis are performed at Jan van Galenstraat 51.

Our general terms & conditions are available on our website www.nofalab.nl.



NofaLab B.V.
Jan van Galenstraat 41/51
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GMP023912



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Expanded MU¹

Date:


12-6-2025

	Pesticide 01: Pesticides Flexible scope Organic analyses (multiresidue methode GC-MS/MS, LC-MS/MS positive mode) NL/10a/b/c (in accordance with EN 15662). Acc. to the NofaLab flexscope version 12 - date 2025-05-01	Detected
	<i>Aryloxyphenoxypropionic acid/ester</i>	
	Haloxypop (69806-34-4)	0,0070 mg/kg ± 0,0035
	Haloxypop (Sum of haloxypop, its esters and salts expressed as haloxypop (sum of the R- and S- isomers at any ratio)) (69806-34-4)	0,0070 mg/kg ± 0,0035
	<i>Neonicotinoid</i>	
	Thiamethoxam (153719-23-4)	0,0063 mg/kg ± 0,0032
	Pesticide 02: Pesticides Flexible scope Organic analyses (multiresidue methode GC-MS/MS, LC-MS/MS positive mode) NL/10a/b/c (in accordance with EN 15662). Acc. to the NofaLab flexscope version 12 - date 2025-05-01	Not detected



General


	Aceton insoluble	64,9 %
	Acid value	22,2 mg KOH/g
	Color Gardner, dilution 10 (w/w) with toluene	9 -
	Peroxide value	
	Peroxide value	Less than 0,5 meq O ₂ /kg
	Result based on sample mass of	2 grams
	Toluene insoluble matter	0,04 %
	Viscosity at 25°C	6334 cP

Metals

	Iron (Fe) (7439-89-6)	9,04 mg/kg
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Microbiology

	Real time PCR Salmonella spp.	Not detected per 25 gram
	Total plate count 30°C	less than 10 cfu/g

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Yeasts & Moulds

 Yeasts & moulds	Less than 10 cfu/g
Yeasts	Less than 10 cfu/g
Moulds	Less than 10 cfu/g

Mycotoxin






 Ochratoxin A (303-47-9)	5,0 µg/kg	±	2,2
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Other analysis

 Moisture	0,13 % (w/w)
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Polycyclic Aromatic Hydrocarbons

PAH's, (Polycyclic Aromatic Hydrocarbons)

 Benzo(a)anthracene (56-55-3)	1,3 µg/kg
 Chrysene (218-01-9)	1,2 µg/kg
 Benzo(b)fluoranthene (205-99-2)	1,7 µg/kg
 Benzo(a)pyrene (50-32-8)	1,6 µg/kg
 Sum of PAH-4	5,7 µg/kg
Notification,	Analysis performed on fat content

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ANNEX

Sample Determination

Method EN 15662
Analysis Pesticides 01, Pesticides 02
Norm In accordance with EN 15662
WI NL/10a/b/c
Device LC-MS/MS and GC-MS/MS


Sample preparation

Method **Salmonella Real time PCR, detection**
Analysis Real time PCR Salmonella per 25 gram
Norm Equivalent to ISO 6579-1, Real time PCR, (MicroVal 2014-LR43) Surefast Salmonella-ONE
WI NL/D005 §6.4 / § 6.6
Device Real time PCR

Method **Yeasts & moulds (pourplate)**
Analysis Yeasts & Moulds enumeration, colony count technique (pourplate) (ISO 21527-2)
Norm In accordance with ISO 21527-2
WI NL/M012
Device Colony count technique, 120-168 h. at 25°C

Method **Total plate count (TPC) 30°C (pourplate)**
Analysis Total plate count 30°C enumeration, colony count technique (pourplate)
Norm In accordance with ISO 4833-1
WI NL/M009
Device Colony count technique, 72 h. at 30°C

Method **Determination of toluene insoluble matter**
Analysis Toluene insoluble matter
Norm Equivalent to ISO 28198
WI NL/51
Device Filtration

 : accredited method (accreditation number L440)

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ANNEX

Sample Determination

Sample preparation

Method Determination of moisture content (Karl Fischer)
Analysis Moisture
Norm Equivalent to AOCS Ja 2b-87
WI NL/34d
Device Titrator


Method Determination of the content of PolycyclicAromaticHydrocarbons (PAH's)
Analysis PAH's, (Polycyclic Aromatic Hydrocarbons)
Norm In accordance with ISO 22959
WI NL/03
Device DACC-HPLC Fluorescence

Method Determination of color Gardner, in clear dilution 10 (w/w) with toluene
Analysis Color Gardner, dilution 10 (w/w) with toluene
Norm Equivalent to AOCS Ja 9-87
WI NL/52
Device Spectrocolorimeter

Method Dilution 1:10 (w/w) with toluene
Norm In-house method
WI NL/52

Method Determination of peroxide value
Analysis Peroxide value
Norm Equivalent to AOCS Ja 8-87
WI NL/40
Device Titrator

Method Determination of acetone insoluble
Analysis Acetone insoluble
Norm Equivalent to AOCS Ja 4-46
WI NL/49

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ANNEX

Sample Determination

Method	Determination of metals, sulfur and phosphorus
Analysis	Lead (Pb),Mercury (Hg),Cadmium (Cd),Arsenic (As),Iron (Fe)
Norm	In-house method
WI	NL/26b
Device	ICP-MS/MS

Method	Determination of acid value
Analysis	Acid value
Norm	In accordance with AOCS Ja 6-55
WI	NL/38
Device	Titration


Method	Determination of the content of mycotoxins
Analysis	Ochratoxin A
Norm	In-house method
WI	NL/13
Device	LC-MS/MS

Method	Determination of viscosity by brookfield
Analysis	Viscosity at 25°C
Norm	Equivalent to AOCS Ja 10-87
Device	Brookfield Viscosity

Method	Determination of the content of PolycyclicAromaticHydrocarbons (PAH's) in extracted fat
Analysis	PAH's, (Polycyclic Aromatic Hydrocarbons)
Norm	In accordance with ISO 22959
WI	NL/03

Sample preparation

Method	Pressure digestion
Norm	In accordance with NEN 13805

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CERTIFICATE OF ANALYSIS

NofaLab B.V.
F. Cobussen
Managing Director



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