

RED B.V.

Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

No. 2025025750

Date of certificate: 30-7-2025

Instruction received on

24-7-2025

Sample received

25-7-2025

Start of laboratory activities

25-7-2025

End of laboratory activities

30-7-2025

Product

Sunflower lecithin

Packing

1 Plastic jar

Sample quantity

541 ml

Sample temperature

Ambient

Sample sealed

No



Customer sample information

Batch number

BA001734

Sample number

M20253004

Product

Sunflower lecithin

Test Results:

Expanded MU¹

2025025750.00

Package



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

Not detected



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



Acetone insoluble

69,6 %



accredited method (accreditation number L440)

¹ The expanded measurement uncertainty is an estimated range of values that your measurement result could confidently (95%) be within.

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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.



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The RvA is a signatory of the ILAC MRA

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GMP023912

Certificate No. **2025025750** Expanded MU¹
Date: 30-7-2025


 Acid value	24,0 mg KOH/g
 Color Gardner, dilution 10 (w/w) with toluene	12 -
 Peroxide value	
Peroxide value	Less than 0,5 meq O ₂ /kg
Result based on sample mass of	2 grams
 Toluene insoluble matter	0,06 %
Viscosity at 25°C	greater than 50000 cP

Immunology


Soy protein Content


Soy protein content Quantification	Less than 2,5 mg/kg
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Metals


 Iron (Fe) (7439-89-6)	32,66 mg/kg
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Microbiology


 Real time PCR Salmonella spp.	Not detected per 25 gram
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 Total plate count 30°C	490 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)	13 µg/kg	±	6
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Other analysis

 Moisture	0,49 % (w/w)
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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	Titration


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	Spectrophotometer

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	Titration

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

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

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ANNEX

Sample Determination

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

Sample preparation

Method	Determination of metals, sulfur and phosphorus
Analysis	Iron (Fe)
Norm	In-house method
WI	NL/26b
Device	ICP-MS/MS


Method	Pressure digestion
Norm	In accordance with NEN 13805

Method	ELISA Soy Protein Content
Analysis	Soy protein Content
Norm	In-house method
WI	NL/A004
Device	ELISA Technique

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

NofaLab B.V.
F. Cobussen
Managing Director



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