

RED B.V.
Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

No. 2025016463

Date of certificate: 13-5-2025

Instruction received on	8-5-2025
Sample received	8-5-2025
Start of laboratory activities	8-5-2025
End of laboratory activities	13-5-2025
Product	Soyabean lecithin
Packing	1 Plastic bottle
Sample quantity	500 ml
Sample temperature	Ambient
Sample sealed	No








Customer sample information


Batch number	BA001627
Product	Soybean lecithin
Sample number	M20251710

Test Results:

Expanded MU¹

General

 Aceton insoluble	58,0 %
 Acid value	33,3 mg KOH/g
 Color Gardner, dilution 10 (w/w) with toluene	12 -
 Peroxide value	
Peroxide value	0,6 meq O ₂ /kg
Result based on sample mass of	2 grams
 Toluene insoluble matter	0,01 %
Viscosity at 25°C	5062 cP

 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.

All reported results are approved by the responsible labmanager.

The results of the examination refer exclusively to the checked samples, as received by NofaLab. This certificate may only be duplicated in total or if authorized by NofaLab in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. Interpretations of analysis results stated on this certificate are excluded from our scope of accreditation.

All analysis are performed at Jan van Galenstraat 51.

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



NofaLab B.V.
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The RvA is a signatory of the ILAC MIRA


Results reported are expressed in product unless clearly stated otherwise.

Certificate No. **2025016463** Expanded MU¹
Date: 13-5-2025


Microbiology


 Escherichia coli	Less than 10 cfu/g
 Real time PCR Salmonella spp.	Not detected per 25 gram
 Total plate count 30°C	300 cfu/g

Yeasts & Moulds

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

Other analysis

 Moisture	0,42 % (w/w)
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GMP023912

Certificate No. 2025016463
Date: 13-5-2025

ANNEX

Sample Determination


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

Sample preparation

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

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

Method	Escherichia coli (pourplate)
Analysis	Escherichia coli enumeration of β -glucuronidase positive E.coli at 44°C
Norm	In accordance with ISO 16649-2
WI	NL/M013
Device	Colony count technique, 24 h. at 44°C

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 peroxide value
Analysis	Peroxide value
Norm	Equivalent to AOCS Ja 8-87
WI	NL/40
Device	Titration

Sample preparation

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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