

RED B.V.
Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

No. 2024034003

Date of certificate: 14-10-2024

Instruction received on	9-10-2024
Sample received	9-10-2024
Start of laboratory activities	9-10-2024
End of laboratory activities	14-10-2024
Product	Soyabean lecithin
Packing	1 Plastic bottle
Sample quantity	560 ml
Sample temperature	Ambient
Sample sealed	No



Customer sample information

Sample number	M20244003
Product	Soybean Lecithin
Batch number	BA001392

Test Results:

Expanded MU¹

General

	Aceton insoluble	65,3 %
	Acid value	19,3 mg KOH/g
	Color Gardner, dilution 10 (w/w) with toluene	11 -
	Peroxide value	
	Peroxide value	0,9 meq O2/kg
	Result based on sample mass of	2 grams
	Toluene insoluble matter	0,05 %
	Viscosity at 25°C	4183 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.
Jan van Galenstraat 41/51
NL - 3115 JG Schiedam

Phone: +31 10 4279620

Fax: +31 10 4279629

E-mail: customerservice@nofalab.nl

Nofalab is certified by:



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Metals



Iron (Fe) (7439-89-6)

27,65 mg/kg

Other analysis



Moisture

0,34 % (w/w)



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ANNEX

Sample Determination

Method	Determination of acid value
Analysis	Acid value
Norm	In accordance with AOCS Ja 6-55
WI	NL/38
Device	Titration
Method	Determination of metals, sulfur and phosphorus
Analysis	Iron (Fe)
Norm	In-house method
WI	NL/26b
Device	ICP-MS/MS
Method	Determination of moisture content (Karl Fischer)
Analysis	Moisture
Norm	Equivalent to AOCS Ja 2b-87
WI	NL/34d
Device	Titration
Method	Determination of viscosity by brookfield
Analysis	Viscosity at 25°C
Norm	Equivalent to AOCS Ja 10-87
Device	Brookfield Viscosity
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	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

Sample preparation

Method	Pressure digestion
Norm	In accordance with NEN 13805
Method	Dilution 1:10 (w/w) with toluene
Norm	In-house method
WI	NL/52

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ANNEX

Sample Determination

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

Sample preparation

NofaLab B.V.
F. Cobussen
Managing Director



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