

RED B.V. Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

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 **Ambient** Sample temperature Sample sealed No

Customer sample information

Sample number M20244003 Product Soybean Lecithin Batch number BA001392

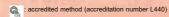
No. 2024034003



Test Results: Expanded MU¹

General

G.	Aceton insoluble	65,3 %
		ROBARABON OF ALABO
G.	Acid value	19,3 mg KOH/g
Q.	Color Gardner, dilution 10 (w/w) with toluene	11 -
Q.	Peroxide value	
	Peroxide value	0,9 meq O2/kg
	Result based on sample mass of	2 grams
Q.	Toluene insoluble matter	0,05 %
	LIEV HORE LA VI. L	
	Viscosity at 25°C	4183 cP



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 perfomance 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.





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Certificate No. 2024034003 Expanded MU1

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Metals

Iron (Fe) (7439-89-6) 27,65 mg/kg

Other analysis

Moisture 0,34 % (w/w)



: accredited method (accreditation number L440)

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Certificate No. 2024034003 Date: 14-10-2024

ANNEX

Sample Determination

Sample preparation

Determination of acid value Method

Analysis Acid value

In accordance with AOCS Ja 6-55 Norm

WI NL/38 Device **Titrator**

Determination of metals, sulfur and Method Method **Pressure digestion**

phosphorus

Analysis Iron (Fe) Norm In-house method

WI NL/26b ICP-MS/MS Device

Method **Determination of moisture content**

(Karl Fischer)

Analysis Moisture

Norm Equivalent to AOCS Ja 2b-87

WI NL/34d Titrator Device

Method Determination of viscosity by

brookfield

Analysis Viscosity at 25°C

Norm Equivalent to AOCS Ja 10-87

Device **Brookfield Viscosity**

Method Method Determination of color Gardner, in

clear dilution 10 (w/w) with toluene

Color Gardner, dilution 10 (w/w) with Analysis

toluene

Norm Equivalent to AOCS Ja 9-87

WI NL/52

Spectrocolorimeter Device

Method **Determination of peroxide value**

Analysis Peroxide value

Norm Equivalent to AOCS Ja 8-87

NL/40 WI Device Titrator

Method **Determination of aceton insoluble**

Analysis Aceton insoluble

Equivalent to AOCS Ja 4-46 Norm

NI /49 WI

In accordance with NEN 13805 Norm

Dilution 1:10 (w/w) with toluene

In-house method Norm

WI NI /52

: accredited method (accreditation number L440)

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ANNEX

Sample Determination

Sample preparation

Method **Determination of toluene insoluble**

matter

Analysis Toluene insoluble matter Equivalent to ISO 28198 Norm

WI NL/51 Filtration Device

NofaLab B.V. F. Cobussen Managing Director



: accredited method (accreditation number L440)

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