

RED B.V.
Einsteinstraat 37

3316 GG Dordrecht

Certificate of Analysis

No. 2024033470

Date of certificate: 10-10-2024
Instruction received on 3-10-2024
Sample received 7-10-2024
Start of laboratory activities 7-10-2024
End of laboratory activities 10-10-2024
Product Rapeseed lecithin
Packing 1 Plastic bottle
Sample quantity 534 ml
Sample temperature Ambient
Sample sealed No



Customer sample information

Product Rapeseed lecithin
Batch number BA001374
Sample number M20243801

Test Results:


Expanded MU¹


2024033470.00

Package

	Arsenic (As) (7440-38-2)	Less than 0,015 mg/kg
	Cadmium (Cd) (7440-43-9)	Less than 0,005 mg/kg
	Lead (Pb) (7439-92-1)	Less than 0,02 mg/kg
	Mercury (Hg) (7439-97-6)	Less than 0,02 mg/kg

General

	Acetone insoluble	66,4 %
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 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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Nofalab is certified by:



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Results reported are expressed in product unless clearly stated otherwise.

GMP023912



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	Acid value	23,7 mg KOH/g
	Color Gardner, dilution 10 (w/w) with toluene	11
	Toluene insoluble matter	0,05 %
	Viscosity at 25°C	23078 cP


Metals


	Iron (Fe) (7439-89-6)	18,84 mg/kg
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Microbiology

	Real time PCR Salmonella spp.	Not detected per 25 gram
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Other analysis

	Moisture	0,41 % (w/w)
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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

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

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

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

Sample preparation

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

Method	Pressure digestion
Norm	In accordance with NEN 13805

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

Sample preparation

NofaLab B.V.
F. Cobussen
Managing Director



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