

RED B.V.

Einsteinstraat 37

3316 GG Dordrecht

## Certificate of Analysis

No. 2024033699

Date of certificate: 10-10-2024

Instruction received on

7-10-2024

Sample received

8-10-2024

Start of laboratory activities

8-10-2024

End of laboratory activities

10-10-2024

Product

Soyabean lecithin

Packing

1 Plastic bottle

Sample quantity

530 g

Sample temperature

Ambient

Sample sealed

No



### Customer sample information

Sample number

M20243904

Product

Soybean lecithin

Batch number

BA001388

### Test Results:

Expanded MU<sup>1</sup>

#### General



**Acetone insoluble**

65,7 %



**Acid value**

21,4 mg KOH/g



**Color Gardner, dilution 10 (w/w) with toluene**

11



**Peroxide value**

Peroxide value

Less than 0,5 meq  
O<sub>2</sub>/kg

Result based on sample mass of

2 grams



**Toluene insoluble matter**

0,43 %



accredited method (accreditation number L440)

<sup>1</sup> 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.

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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](http://www.nofalab.nl).



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Nofalab is certified by:



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Results reported are expressed in product unless clearly stated otherwise.

GMP023912

Certificate No.

2024033699

Expanded MU<sup>1</sup>

Date:

10-10-2024

Viscosity at 25°C

11051 cP

Metals



Iron (Fe) (7439-89-6)

60,05 mg/kg

Microbiology



Real time PCR Salmonella spp.

Not detected per 25 gram

Other analysis



Moisture

0,73 % (w/w)



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## ANNEX

### Sample Determination

<b>Method</b>	<b>Salmonella Real time PCR, detection</b>
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

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

<b>Method</b>	<b>Determination of moisture content (Karl Fischer)</b>
Analysis	Moisture
Norm	Equivalent to AOCS Ja 2b-87
WI	NL/34d
Device	Titration

<b>Method</b>	<b>Determination of color Gardner, in clear dilution 10 (w/w) with toluene</b>
Analysis	Color Gardner, dilution 10 (w/w) with toluene
Norm	Equivalent to AOCS Ja 9-87
WI	NL/52
Device	Spectrophotometer


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

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

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

### Sample preparation

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

 accredited method (accreditation number L440)

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## ANNEX

### Sample Determination

<b>Method</b>	<b>Determination of peroxide value</b>
Analysis	Peroxide value
Norm	Equivalent to AOCS Ja 8-87
WI	NL/40
Device	Titration

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

### Sample preparation

<b>Method</b>	<b>Pressure digestion</b>
Norm	In accordance with NEN 13805

NofaLab B.V.  
F. Cobussen  
Managing Director




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