

RED B.V. Einsteinstraat 37

3316 GG Dordrecht

# **Certificate of Analysis**

Date of certificate: 15-1-2025

Instruction received on 9-1-2025 Sample received 10-1-2025 Start of laboratory activities 10-1-2025 End of laboratory activities 15-1-2025 Product Lecithin blend Packing 1 Plastic bottle Sample quantity 525 g Sample temperature **Ambient** Sample sealed No

## **Customer sample information**

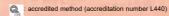
Batch number BA001478 M20250102 Sample number Product Lecithin blend No. 2025000912\_A



**Test Results:** Expanded MU<sup>1</sup>

#### General

Q.	Aceton insoluble	31,5 %
G.	Acid value	13,0 mg KOH/g
G	Color Gardner, dilution 10 (w/w) with toluene	9
	ASSESSMENT OF THE PARTY OF THE	
G.	Hexane insoluble matter	0,010 %
		SER ABOVE ALADA
G.	Peroxide value	
	Peroxide value	1,8 meq O2/kg
	Result based on sample mass of	2 grams



Toluene insoluble matter

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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.





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VLOG

0,03 %

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Certificate No.

2025000912\_A Expanded MU1

Date:

15-1-2025

Viscosity at 25°C 124 cP

Metals

Lead (Pb) (7439-92-1) Less than 0,02 mg/kg

Mercury (Hg) (7439-97-6) Less than 0,02 mg/kg

Microbiology

Enterobacteriaceae Less than 10 cfu/g

Real time PCR Salmonella spp. Not detected per 25 gram

Total plate count 30°C less than 10 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 0,41 % (w/w)

Polycyclic Aromatic Hydrocarbons

# PAH's, (Polycyclic Aromatic Hydrocarbons)

G.	Benzo(a)anthracene (56-55-3)	Less than 0,5 μg/kg
G.	Chrysene (218-01-9)	Less than 0,5 μg/kg
Q.	Benzo(b)fluoranthene (205-99-2)	Less than 0,5 μg/kg
G.	Benzo(a)pyrene (50-32-8)	Less than 0,5 μg/kg
Q.	Sum of PAH-4	Not detected µg/kg
	Notification,	Analysis performed on fat content

: accredited method (accreditation number L440)

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Certificate No.

Sample preparation

2025000912\_A

Date:

15-1-2025

### **ANNEX**

### Sample Determination

Method Salmonella Real time PCR, detection Real time PCR Salmonella per 25 gram **Analysis** Equivalent to ISO 6579-1, Real time Norm PCR, (MicroVal 2014-LR43) Surefast

Salmonella-ONE NL/D005 §6.4 /§ 6.6 WI Real time PCR Device

Method Yeasts & moulds (pourplate) **Analysis** 

Yeasts & Moulds enumeration, colony count technique (pourplate) (ISO 21527-

2)

Norm In accordance with ISO 21527-2

NL/M012 WI

Device Colony count technique, 120-168 h. at

Method Total plate count (TPC) 30°C

(pourplate)

**Analysis** Total plate count 30°C enumeration,

colony count technique (pourplate) In accordance with ISO 4833-1

WI NL/M009

Norm

Device Colony count technique, 72 h. at 30°C

Method **Determination of toluene insoluble** 

**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 Titrator

: accredited method (accreditation number L440)

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Method

Analysis

Certificate No. 2025000912\_A

Date:

**ANNEX** 

### Sample Determination

Determination of the content of PolycyclicAromaticHydrocarbons

(PAH's)

PAH's, (Polycyclic Aromatic **Analysis** 

Hydrocarbons)

Norm In accordance with ISO 22959

NL/03

Device **DACC-HPLC Fluorescence** 

Determination of color Gardner, in Method

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

Norm Equivalent to AOCS Ja 9-87

NL/52 WI

Device Spectrocolorimeter

Method **Determination of aceton insoluble** 

**Analysis** Aceton insoluble

Norm Equivalent to AOCS Ja 4-46

NI /49 WI

Method Determination of metals, sulfur and

phosphorus

**Analysis** Lead (Pb), Mercury (Hg)

Norm In-house method

WI NL/26b Device ICP-MS/MS

Method **Determination of acid value** 

Analysis Acid value

Norm In accordance with AOCS Ja 6-55

WI NL/38 Device Titrator

Method Determination of hexane insoluble

matter

**Analysis** Hexane insoluble matter

In accordance with AOCS Ja 3-87 Norm

WI NL/50 Filtration Device

Sample preparation

Dilution 1:10 (w/w) with toluene Method

15-1-2025

In-house method Norm

NL/52 WI

Method **Pressure digestion** 

In accordance with NEN 13805 Norm

: accredited method (accreditation number L440)

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Method

Norm

Certificate No.

Sample preparation

2025000912\_A

Date:

15-1-2025

### **ANNEX**

### Sample Determination

**Enterobacteriaceae enumeration** 

(pourplate)

Enterobacteriaceae enumeration, colony **Analysis** 

count technique (pourplate) In accordance with ISO 21528-2

WI NL/M014

Device Colony count technique, 24 h. at 37°C

Method **Determination of peroxide value** 

**Analysis** Peroxide value

Norm Equivalent to AOCS Ja 8-87

NL/40 WI Device Titrator

Method **Determination of viscosity by** 

brookfield

**Analysis** Viscosity at 25°C

Norm Equivalent to AOCS Ja 10-87

Device **Brookfield Viscosity** 

Method Determination of the content of

PolycyclicAromaticHydrocarbons

(PAH's) in extracted fat

**Analysis** PAH's, (Polycyclic Aromatic

Hydrocarbons)

In accordance with ISO 22959 Norm

WI NL/03

Reporting re-analysis

NofaLab B.V. F. Cobussen

Managing Director

accredited method (accreditation number L440)

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