

Allseeds Switzerland S.A.
P.Box 48, 29 Route de Jussy
CH 1226 Thonex Geneva
Switzerland

A

Certificate of Analysis

No. 201707086

Date : 7-3-2017

Instruction received on : 01-03-2017
 Sample received : 01-03-2017
 Sample said to be : Crude Sunflowerseed Oil
 Packing : Plastic Bottle (clear)
 Sample quantity : 500,00 ml
 Sample temperature : Ambient
 Sample sealed : Yes, S78859431
 Marked : Ships's name: "WINE TRADER"
 Port of loading: Allseed Black Sea, Yuzhny
 Port of discharge: Ravenna, Italy
 Commodity: Crude Sunflower Seed Oil
 Sample type: Drip Line Composite Sample
 Quantity represented: 5900 mt
 Ex shore tanks no.: 11,12
 Into ship's tanks no.:
 1P,1S,2P,2S,3P,3S,4P,4S,5P,5S,6P,6S,7P,7S,8P,8S,9P,9S,10P,10S
 Sampled on behalf of: Allseeds
 Contract body: Fosfa 53
 Purpose of sample: Analysis and arbitration purposes
 Date: 26.02.2017

Test Results:

Metal and Element analysis

Arsenic

 Arsenic (As) (ICP-MS, in-house method NL/27) less than 0,01 mg/kg

Cadmium

 Cadmium (Cd) (ICP-MS, in-house method NL/27) less than 0,01 mg/kg


Copper

 Copper (Cu) (ICP-MS, in-house method NL/27) 0,04 mg/kg

Iron

 Iron (Fe) (ICP-MS, in-house method NL/27) 0,32 mg/kg

Mercury

 : accredited method (accreditation number L440)

The results of the examination refer exclusively to the checked samples. Duplicates - even in parts - must be authorized by the test laboratory in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. All orders are executed only on our latest conditions filed at Chamber of Commerce for Rotterdam, KVK-no.:24361065.

NofaLab has been certified by:

NofaLab has been accredited by the council of the federation:



NofaLab B.V.
Jan van Galenstraat 41/51
NL - 3115 JG Schiedam

Phone: +31 10 4279620
Fax: +31 10 4279629
E-mail: info@nofalab.nl



Pagina 1 van 3

Results reported are expressed in product unless clearly stated otherwise
 A, B, C etc.: This version of the certificate cancels and replaces all previous versions.
 Sub1, sub2, sub3 etc.: This version of the report is a subversion.

Mercury

Mercury (Hg) (ICP-MS, in-house method NL/27) less than 0,01 mg/kg

Lead

Lead (Pb) (ICP-MS, in-house method NL/27) less than 0,01 mg/kg

Pesticides: NL/10a/b/c, Determination of the content of pesticides and additives, GC-MS/MS and LC-MS/MS, in accordance with EN 15662.

Pesticides (Multimethod)	Not Detected
Aldrin 309-00-2	less than 0,01 mg/kg
Bifenthrin 82657-04-3	less than 0,01 mg/kg
Carbofuran 1563-66-2	less than 0,005 mg/kg
Chlordane (sum)	less than 0,01 mg/kg
Chlordane-cis 5103-71-9	less than 0,003 mg/kg
Chlordane-oxy 27304-13-8	less than 0,01 mg/kg
Chlordane-trans 5103-74-2	less than 0,003 mg/kg
Chlorpyrifos 2921-88-2	less than 0,01 mg/kg
Chlorpyrifos-Methyl 5598-13-0	less than 0,01 mg/kg
Cypermethrin (sum)	less than 0,01 mg/kg
DDT-PP 50-29-3	less than 0,008 mg/kg
Deltamethrin (cis) 52918-63-5	less than 0,01 mg/kg
Diazinon 333-41-5	less than 0,01 mg/kg
Dichlorvos 62-73-7	less than 0,01 mg/kg
Dieldrin 60-57-1	less than 0,01 mg/kg
Dimethoate 60-51-5	less than 0,003 mg/kg
Endosulfan (sum)	less than 0,01 mg/kg
Endosulfan-alpha 959-98-8	less than 0,01 mg/kg
Endosulfan-beta 33213-65-9	less than 0,01 mg/kg
Endosulfansulfate 1031-07-8	less than 0,01 mg/kg
Endrin 72-20-8	less than 0,01 mg/kg
Fenitrothion 122-14-5	less than 0,01 mg/kg
HCH-alpha 319-84-6	less than 0,003 mg/kg
HCH-beta 319-85-7	less than 0,003 mg/kg
HCH-delta 319-86-8	less than 0,003 mg/kg
HCH-epsilon 6108-10-7	less than 0,003 mg/kg
HCH-gamma-(Lindane) 58-89-9	less than 0,01 mg/kg
Heptachlor 76-44-8	less than 0,003 mg/kg
Hexachlorobenzene (HCB) 118-74-1	less than 0,003 mg/kg

accredited method (accreditation number L440)

The results of the examination refer exclusively to the checked samples. Duplicates - even in parts - must be authorized by the test laboratory in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. All orders are executed only on our latest conditions filed at Chamber of Commerce for Rotterdam, KVK-no.:24361065.

NofaLab has been certified by:

NofaLab has been accredited by the council of the federation:



NofaLab B.V.
 Jan van Galenstraat 41/51
 NL - 3115 JG Schiedam

Phone: +31 10 4279620
 Fax: +31 10 4279629
 E-mail: info@nofalab.nl



Results reported are expressed in product unless clearly stated otherwise
 A, B, C etc.: This version of the certificate cancels and replaces all previous versions.
 Sub1, sub2, sub3 etc.: This version of the report is a subversion.

Pesticides: NL/10a/b/c, Determination of the content of pesticides and additives, GC-MS/MS and LC-MS/MS, in accordance with EN 15662.

Hexachlorocyclohexane (HCH) (sum)	less than 0,01 mg/kg
Malathion 121-75-5	less than 0,01 mg/kg
Metalaxyl and metalaxyl-M 57837-19-1	less than 0,01 mg/kg
Oxadixyl 77732-09-3	less than 0,01 mg/kg
Phosalone 2310-17-0	less than 0,01 mg/kg
Pirimiphos-Methyl 29232-93-7	less than 0,01 mg/kg
Tetramethrin 7696-12-0	less than 0,01 mg/kg

General

Sterol Composition (equivalent to: ISO 12228-1) NL/45, methode GC-FID.

Cholesterol	less than 0,1 %
Brassicasterol	less than 0,1 %
Delta-5-Campesterol	7,2 %
Stigmasterol	8,1 %
Beta-Sitosterol	64,8 %
Delta-5-Avenasterol	3,4 %
Delta-7-Stigmasterol	11,1 %
Delta-7-Avenasterol	5,3 %
Total	3907,1 mg/kg

Nofalab B.V.
 M. Bruggeman
 Director



 : accredited method (accreditation number L440)

The results of the examination refer exclusively to the checked samples. Duplicates - even in parts - must be authorized by the test laboratory in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. All orders are executed only on our latest conditions filed at Chamber of Commerce for Rotterdam, KVK-no.:24361065.

NofaLab has been certified by:

NofaLab has been accredited by the council of the federation:



NofaLab B.V.
 Jan van Galenstraat 41/51
 NL - 3115 JG Schiedam

Phone: +31 10 4279620
 Fax: +31 10 4279629
 E-mail: info@nofalab.nl



Results reported are expressed in product unless clearly stated otherwise
 A, B, C etc.: This version of the certificate cancels and replaces all previous versions.
 Sub1, sub2, sub3 etc.: This version of the report is a subversion.