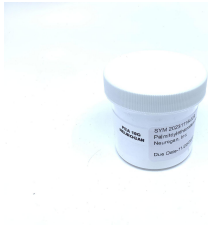


Certificate of Analysis



Sample Name	Palmitoylethanolamide (PEA)	Symbio ID	SYM 20231116-029
Batch Number	DK21-PL11	Registering Laboratory	San Diego, CA
Client	Neurogan Inc.	COA Issue Date	11/27/2023
Contact	N/A	Contact	Customer Service
Address	8821 Production Ave. San Diego, CA, 92121	Address	8312 Miramar Mall San Diego, CA, 92121
Telephone	N/A	Telephone	(858) 869-1008
Email	N/A	Email	questions@symbiolabs.us

This report supersedes any previous revision with this reference. This document must not be reproduced, except in full. If samples were provided by the customer, results apply only to the samples 'as received' and responsibility for representative sampling rests with the customer. Sample results are reported on an 'as is' basis. Symbio Laboratories, LLC makes no claims pertaining to the efficacy, safety, or other risks associated with any detected or non-detected levels of any microbes reported herein.

Definitions

| <: Less Than | >: Greater Than | -: Not Requested | CFU: Colony Forming Units | mL: Milliliter | g: Gram | A: Absent | P: Present | MDL: Method Detection Limit | ft²: square foot | cm²: square centimeter | TNTC: Too numerous to count | N/A: Not Applicable | RP: Result Pending | ND: Non-detect | µg: Microgram | kg: Kilogram | MRL: Minimum Reporting Limit |

Quantitative Polymerase Chain Reaction (qPCR)

Analyte(s)	Result	Method
<i>Salmonella spp.</i>	Absent	MICRO-PREP-002
Shiga Toxin Producing <i>E. coli</i>	Absent	MICRO-PREP-002
<i>Aspergillus niger</i>	Absent	MICRO-PREP-002
<i>Aspergillus terreus</i>	Absent	MICRO-PREP-002
<i>Aspergillus flavus</i>	Absent	MICRO-PREP-002
<i>Aspergillus fumigatus</i>	Absent	MICRO-PREP-002

Heavy Metals Analysis (ICP-MS)

Analyte	Symbol	MDL	MRL	Results	Units	Method
Arsenic	As	0.054	0.162	ND	µg/L	EPA 200.8
Cadmium	Cd	0.003	0.010	ND	µg/L	EPA 200.8
Lead	Pb	0.020	0.059	ND	µg/L	EPA 200.8
Mercury	Hg	0.012	0.036	ND	µg/L	EPA 200.8

Analysis Location

All analyses were completed by Symbio Laboratories US – San Diego.

Analysis Comments

Method ID: MICRO-PREP-002, EPA 200.8, PESTMYCO-LC-PREP-001/PEST-GC-PREP-001

Josh M Swider

Josh Swider, CEO
11/27/2023

Symbio ID: SYM 20231116-029
Palmitoylethanolamide (PEA)

Neurogan, Inc.
8821 Production Avenue
San Diego, CA 92121

Batch#: DK21-PL11
Batch Size Collected:
Total Batch Size:
Completed: 11/27/2023

Chemical Residue Screening

Category 1	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g					
Aldicarb	ND	0.065	0.022	Pass				
Carbofuran	ND	0.030	0.009	Pass				
Chlordane	ND	0.075	0.025	Pass				
Chlorfenapyr	ND	0.075	0.025	Pass				
Chlorpyrifos	ND	0.053	0.018	Pass				
Coumaphos	ND	0.056	0.018	Pass				
Daminozide	ND	0.079	0.026	Pass				
Dichlorvos	ND	0.067	0.022	Pass				
Dimethoate	ND	0.036	0.012	Pass				
Ethoprophos	ND	0.053	0.017	Pass				
Etofenprox	ND	0.030	0.008	Pass				
Fenoxycarb	ND	0.043	0.014	Pass				
Fipronil	ND	0.045	0.015	Pass				
Imazalil	ND	0.047	0.016	Pass				
Methiocarb	ND	0.047	0.016	Pass				
Mevinphos	ND	0.042	0.014	Pass				
Paclbutrazol	ND	0.040	0.013	Pass				
Parathion Methyl	ND	0.024	0.008	Pass				
Propoxur	ND	0.047	0.016	Pass				
Spiroxamine	ND	0.032	0.011	Pass				
Thiacloprid	ND	0.042	0.014	Pass				

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
Abamectin	ND	0.030	0.010	0.3	Pass	Kresoxim Methyl	ND	0.038	0.012	1	Pass
Acephate	ND	0.050	0.016	5	Pass	Malathion	ND	0.035	0.012	5	Pass
Acequinocyl	ND	0.059	0.019	4	Pass	Metalaxyl	ND	0.031	0.010	15	Pass
Acetamiprid	ND	0.044	0.015	5	Pass	Methomyl	ND	0.048	0.016	0.1	Pass
Azoxystrobin	ND	0.029	0.010	40	Pass	Myclobutanil	ND	0.055	0.018	9	Pass
Bifenazate	ND	0.035	0.012	5	Pass	Naled	ND	0.051	0.017	0.5	Pass
Bifenthrin	ND	0.040	0.013	0.5	Pass	Oxamyl	ND	0.046	0.015	0.3	Pass
Boscalid	ND	0.060	0.020	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.008	20	Pass
Carbaryl	ND	0.049	0.016	0.5	Pass	Phosmet	ND	0.038	0.012	0.2	Pass
Chlorantraniliprole	ND	0.063	0.021	40	Pass	Piperonyl Butoxide	ND	0.030	0.008	8	Pass
Clofentezine	ND	0.039	0.013	0.5	Pass	Prallethrin	ND	0.068	0.023	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.059	0.019	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Diazinon	ND	0.030	0.006	0.2	Pass	Pyridaben	ND	0.035	0.012	3	Pass
Dimethomorph	ND	0.042	0.014	20	Pass	Spinetoram	ND	0.030	0.006	3	Pass
Etoxazole	ND	0.030	0.008	1.5	Pass	Spinosad	ND	0.030	0.004	3	Pass
Fenhexamid	ND	0.039	0.013	10	Pass	Spiromesifen	ND	0.042	0.014	12	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.041	0.013	13	Pass
Flonicamid	ND	0.081	0.027	2	Pass	Tebuconazole	ND	0.044	0.014	2	Pass
Fludioxonil	ND	0.046	0.015	30	Pass	Thiamethoxam	ND	0.055	0.018	4.5	Pass
Hexythiazox	ND	0.078	0.026	2	Pass	Trifloxystrobin	ND	0.031	0.010	30	Pass
Imidacloprid	ND	0.071	0.023	3	Pass						

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.