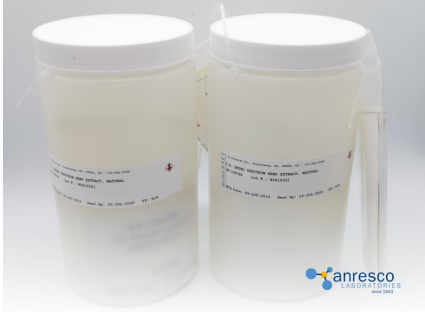


ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

MANUFACTURER:

Robertet Flavors, Inc.
Attn: Rajesh N. Pandya
10 Colonial Dr.
Piscataway, NJ 08854



SAMPLE INFORMATION

Sample No.: 1036092
Product Name: NV-108789 SD Broad Spectrum Hemp Extract
Matrix: Other
Batch #: W2916521

Date Received: 10/15/2019
Date Reported: 10/21/2019

TEST SUMMARY

Cannabinoid Profile:
Pesticide Residue Screen: ✔ Pass
Mycotoxin Screen: ✔ Pass

Terpenoid Profile:
Residual Solvent Screen: ✔ Pass
Heavy Metal Screen: ✔ Pass
Other Analyses: ✔ Pass
Overall: ✔ Pass

CANNABINOID PROFILE

10/21/2019

Method: MF12D012
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Quantitation 1.0 mg/g
Limit of Detection 0.4 mg/g

Analyte	mg/g	%	Status
88 THC	ND	ND	-
89 THC	ND	ND	-
THCV	ND	ND	-
THCVA	ND	ND	-
89 THCA	ND	ND	-
CBD	108.49	10.849	-
CBDA	ND	ND	-
CBC	<LOQ (0.47)	<LOQ (0.048)	-
CBCA	ND	ND	-
CBDV	ND	ND	-
CBG	ND	ND	-
CBGA	ND	ND	-
CBN	ND	ND	-
Total THC	ND	ND	-
Total CBD	108.49	10.849	-
Total Cannabinoids	108.96	10.896	-
Total Active Cannabinoids	108.96	10.896	-

Label Claims n/p

TERPENOID PROFILE

10/17/2019

Method: American Herbal Pharmacopoeia
Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Terpene	mg/g	%	Status
α-Pinene	<LOQ	<LOQ	-
Isopulegol	ND	ND	-
Camphene	ND	ND	-
Menthol	ND	ND	-
β-Myrcene	<LOQ	<LOQ	-
(-)-Borneol	<LOQ	<LOQ	-
β-Pinene	ND	ND	-
Terpineol	0.0167	0.00167	-
δ-3-Carene	ND	ND	-
Citronellol	ND	ND	-
Limonene	<LOQ	<LOQ	-
Geraniol	ND	ND	-
α-Terpinene	<LOQ	<LOQ	-
β-Caryophyllene	0.0723	0.00723	-
trans-beta-Ocimene	ND	ND	-
α-Humulene	0.0314	0.00314	-
cis-beta-Ocimene	ND	ND	-
cis-Nerolidol	ND	ND	-
p-Cymene	ND	ND	-

Terpene	mg/g	%	Status
trans-Nerolidol	0.0189	0.00189	-
Eucalyptol	<LOQ	<LOQ	-
Guaiol	0.076	0.00760	-
γ-Terpinene	<LOQ	<LOQ	-
Caryophyllene Oxide	<LOQ	<LOQ	-
Terpinolene	ND	ND	-
α-Bisabolol	0.166	0.0166	-
Linalool	0.0316	0.00316	-
Eudesmol	0.0681	0.00681	-
Total Terpenes	0.481	0.0481	-

MICROBIOLOGICAL SCREEN

10/21/2019

Analysis	Method	Finding
Salmonella	USP <62>	Negative
SPC	USP <62>	<10
Yeast	USP <62>	<10
Mold	USP <62>	<10
Coliforms	USP <62>	Negative
E. coli	USP <62>	Negative
Staph	USP <62>	Negative

PESTICIDE RESIDUE SCREEN ✔ Pass

10/18/2019

Method: MF 21P030

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Azoxystrobin	0.04/0.10	ND	40.0	Pass
Bifenazate	0.04/0.10	ND	5.0	Pass
Bifenthrin	0.20/0.50	ND	0.5	Pass
Cyfluthrin	0.70/2.00	ND	1.0	Pass
Daminozide	0.04/0.10	ND	0.04	Pass
Etoxazole	0.04/0.10	ND	1.5	Pass
Fenoxycarb	0.04/0.10	ND	0.04	Pass
Imazalil	0.04/0.10	ND	0.04	Pass
Imidacloprid	0.04/0.10	ND	3.0	Pass
Myclobutanil	0.04/0.10	ND	9.0	Pass
Pacllobutrazol	0.04/0.10	ND	0.04	Pass
Piperonyl Butoxide	0.04/0.10	ND	8.0	Pass
Pyrethrins	0.20/0.50	ND	1.0	Pass
Spinosad	0.04/0.10	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.04/0.10	ND	13.0	Pass
Trifloxystrobin	0.04/0.10	ND	30.0	Pass

RESIDUAL SOLVENT SCREEN ✔ Pass

10/18/2019

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
1,2-Dichloroethane	0.40/1.00	ND	1.0	Pass
Acetone	17/75	ND	5000	Pass
Acetonitrile	1/6	ND	410	Pass
Benzene	0.40/1.00	ND	1.0	Pass
n-Butane	200/600	ND	5000	Pass
Chloroform	0.40/1.00	ND	1.0	Pass
Ethanol	22/100	ND	5000	Pass
Ethyl Acetate	9/40	ND	5000	Pass
Ethyl Ether	11/50	ND	5000	Pass
Ethylene Oxide	0.40/1.00	ND	1.0	Pass
n-Heptane	11/50	ND	5000	Pass
n-Hexane	1/5	ND	290	Pass
Isopropyl Alcohol	11/50	ND	5000	Pass
Methanol	6/25	ND	3000	Pass
Methylene Chloride	0.40/1.00	ND	1.0	Pass
n-Pentane	17/75	ND	5000	Pass
Propane	125/250	ND	5000	Pass
Toluene	3/15	ND	890	Pass
Total Xylenes	1/3	ND	2170	Pass
Trichloroethylene	0.40/1.00	ND	1.0	Pass

HEAVY METAL SCREEN ✔ Pass

10/17/2019

Method: MF 24E020

Instrument: ICP-MS

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3.0	Pass
Lead	0.02/0.05	ND	0.5	Pass

MYCOTOXIN SCREEN ✔ Pass

10/18/2019

Method: MF 21P030

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD / LOQ (µg/kg)	Finding (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	10/20	ND	-	-
Aflatoxin B2	10/20	ND	-	-
Aflatoxin G1	10/20	ND	-	-
Aflatoxin G2	10/20	ND	-	-
Total Aflatoxins	10/20	ND	20	Pass
Ochratoxin A	10/20	ND	20	Pass

OTHER ANALYSES ✔ Pass

Analyte	Method	Instrument	Finding	Date Completed	Limit	Status
Moisture	'AOAC 930.04'	Vacuum or Forced Air Oven	1.92	10/16/2019	-	-
Water Activity	MF 14G051	Decagon	0.119	10/16/2019	0.85	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by


Vu Lam
Lab Co Director



Scan to verify