

Certificate ID: 95216

Received: 6/9/21

Client Sample ID: B-GS-O-HH-2100-MCT-0003 Lot Number: B-GS-O-HH-2100-MCT-0003

Matrix: Tincture/Infused Oil - CBD Extraction

Scan OR Code for authenticity

Gnome Serums 56 Bridge Street Johnsonville, NY 12094

Attn: Gregory Kerber

Authorization:

Signature:

Chris Hudalla, Chief Science Officer

mistophen Hudalla

Date:

6/19/2021

Test Date: 6/15/2021







Accreditation # 80585

Analyst: CJS

The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

HM: Heavy Metal Analysis [WI-10-13]

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

95216-HM

95216-HM				Use Lim	its ² (µg/kg)	
Symbol	Metal	Conc. 1 (µg/kg)	RL	All	Ingestion	Status
As	Arsenic	ND	50.0	200	1,500	PASS
Cd	Cadmium	ND	50.0	200	500	PASS
Hg	Mercury	ND	50.0	100	1,500	PASS
Pb	Lead	125	50.0	500	1,000	PASS

- 1) ND = None detected above the indicated Reporting Limit (RL)
- 2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.
- 3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

PST: Pesticide Analysis [WI-10-11]

Analyst: CJS

Test Date: 6/11/2021

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

95216-PST

Aı	nalyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Aba	amectin	71751-41-2	ND	ppb	0.20	10	PASS
Sp	inosad	168316-95-8	ND	ppb	0.10	10	PASS
Py	rethrin	8003-34-7	ND	ppb	0.10	10	PASS
Triflo	xystrobin	141517-21-7	ND	ppb	0.10	100	PASS
Spiro	otetramat	203313-25-1	ND	ppb	0.10	100	PASS
Spiro	omesifen	283594-90-1	ND	ppb	0.10	100	PASS
Piperon	yl butoxide	51-03-6	ND	ppb	0.10	3000	PASS
Paclo	butrazol	76738-62-0	ND	ppb	0.10	10	PASS
Myc	lobutanil	88671-89-0	ND	ppb	0.10	100	PASS
Imid	acloprid	138261-41-3	ND	ppb	0.10	5000	PASS
In	nazalil	35554-44-0	ND	ppb	0.10	10	PASS
Fen	oxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Etc	xazole	153233-91-1	ND	ppb	0.10	100	PASS
Dic	hlorvos	62-73-7	ND	ppb	3.00	10	PASS
Cyt	luthrin	68359-37-5	ND	ppb	0.50	2000	PASS
Bif	enthrin	82657-04-3	ND	ppb	0.20	3000	PASS
Bife	enazate	149877-41-8	ND	ppb	0.10	100	PASS
Azox	ystrobin	131860-33-8	ND	ppb	0.10	100	PASS

^{*} Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample due to matrix interference.

TP: Terpenes Profile [WI-10-27]

Analyst: CJS

Test Date: 6/11/2021

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

95216-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm	Qualitative Profile
alpha-pinene	80-56-8	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
camphene	79-92-5	ND	ND	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.0010	10.3	
beta-pinene	127-91-3	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
alpha-ocimene	502-99-8	ND	ND	
D-limonene	138-86-3	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
p-cymene	99-87-6	ND	ND	
cis-beta-ocimene	3338-55-4	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
eucalyptol	470-82-6	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
gamma-terpinene	99-85-4	ND	ND	
terpinolene	586-62-9	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
linalool	78-70-6	0.0037	37.1	
L-fenchone*	7787-20-4	ND	ND	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	<rl< td=""><td><rl< td=""><td></td></rl<></td></rl<>	<rl< td=""><td></td></rl<>	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.0144	144	
alpha-humulene	6753-98-6	0.0033	32.5	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaiol	489-86-1	0.0027	27.2	
caryophyllene oxide	1139-30-6	0.0006	5.62	
alpha-bisabolol	23089-26-1	0.0010	9.71	
			ppm	0.00 100.00 200.0

Total Terpene: <0.1 wt%

END OF REPORT

^{*} Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.