

5555 Brooks St Montclair, CA 91763 Tel 909-230 6210 Fax 909-230 6211

www.iLab-US.com

CoA#

19082009.1

CoA Date

10/07/2019

**CoA Status** 

Final

## **CERTIFICATE OF ANALYSIS**

**Date Received** 8/19/2019 Sojen Inc Customer Condition Good Address Temp Ambient PO# Sample Name Gelcaps (0.66 Grams, 25mg of CBD) Remarks Sample Lot # NPRL-004-MIB-1 / JM080719GC3

THC Detection Limit 0.001%

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Pesticides	da guarrand, usanira arufinyi ira usaning plana hipurosini sa tarani pri direkty, febru arabi ta babina			00/04/0040
DDT	N/A	Pass <0.500 ppm	GC-MS	08/21/2019
Alachlor	N/A	Pass < 0.500 ppm	GC-MS	as above
Aldin	N/A	Pass <0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	Pass <3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	Pass < 0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	Pass < 0.500 ppm	GC-MS	as above
Brompropylate	N/A	Pass <2.000 ppm	GC-MS	as above
Chlordane	N/A	Pass < 0.025 ppm	· GC-MS	as above
Chlorfenvinphos	N/A	Pass < 0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	Pass < 0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	Pass <2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	Pass < 0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	Pass < 0.150 ppm	GC-MS	as above
Cypermethrin	N/A	Pass < 0.150 ppm	GC-MS	as above
Deltamethrin	N/A	Pass < 0.500 ppm	GC-MS	as above
Diazinon	N/A	Pass <2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	Pass <1.000 ppm	GC-MS	as above
Dichloryos	N/A	Pass <0.050 ppm	GC-MS	as above
Dicofol	N/A	Pass <0.500 ppm	GC-MS	as above
Dieldrin	N/A	Pass <0.025 ppm	GC-MS	as above
Dimethoate	N/A	Pass <1.000 ppm	GC-MS	as above
Endosulfan	N/A	Pass <0.250 ppm	GC-MS	as above
Endrin	N/A	Pass <0.025 ppm	GC-MS	as above
	N/A	Pass <0.500 ppm	GC-MS	as above
Ethion	N/A	Pass <0.250 ppm	GC-MS	as above
Etrimphos	N/A	Pass <0.500 ppm	GC-MS	as above
Fenchlorophos	N/A	Pass <1.000 ppm	GC-MS	as above
Fenitrothion	N/A	Pass <0.050 ppm	GC-MS	as above
Fenpropathrin	N/A	Pass <0.500 ppm	GC-MS	as above
Fensulfothion		Pass <0.250 ppm	GC-MS	as above
Fenthion	N/A	Pass <0.230 ppm	GC-MS	as above
Fenvalerate	N/A		GC-MS	as above
Flucytrinate	N/A	Pass <0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	Pass <0.250 ppm	GC-MS	as above
Fonofos	N/A	Pass <0.150 ppm	GC-MS	as above
Heptachlor	N/A	Pass <0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	Pass <0.100 ppm		1 . /
		Autho	orized by And &	Hald 10/07/19

Hadi Habib, M.Sc. / Technical Deputy



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# **CERTIFICATE OF ANALYSIS**

Customer	Sojen Inc	Date Received	8/19/2019
Address		Condition	Good
		Temp	Ambient
Sample Name	Gelcaps	PO #	E
	(0.66 Grams, 25mg of CBD)	Remarks	9
Sample Lot #	NPRL-004-MIB-1 / JM080719GC3	-2	I
	THO Data ation Line it 0.0040/		

THC Detection Limit 0.001%

Analysis	Specification	Test Result	Test Method	Test Date
Hexachlorocyclohexane	N/A	Pass <0.025 ppm	GC-MS	as above
Lindane	N/A	Pass < 0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass < 0.100 ppm	GC-MS	as above
Malathion	N/A	Pass < 0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass < 0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass < 0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass < 0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass < 0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass < 1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass < 0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass < 0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass <0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass < 0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass <1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass <0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass <0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass <0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above
VINCIOZOIIN	IN/A	Pass < 1.000 ppm	GC-WG	as above
Cannabinoids				
Cannabidiol (CBD)	N/A	26.6mg / capsule	HPLC/UPLC	08/19/2019
Cannabidivarin (CBDV)	N/A	0.12mg / capsule	HPLC/UPLC	as above
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above

Authorized by Add: Add 1010 7 kg



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## **CERTIFICATE OF ANALYSIS**

Customer	Sojen Inc	Date Received	8/19/2019
Address		Condition	Good
		Temp	Ambient
Sample Name	Gelcaps	PO #	
	(0.66 Grams, 25mg of CBD)	Remarks	
Sample Lot #	NPRL-004-MIB-1 / JM080719GC3		_
	THC Detection Limit 0.001%		

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Cannabidiolic Acid (CBDA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabiegerol (CBG)	N/A	Not Detected	HPLC/UPLC	as above
Cannabinol (CBN)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinol (THC)	N/A	Not Detected	HPLC/UPLC	as above
delta-8-Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	Not Detected	HPLC/UPLC	as above
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP <467>	08/20/2019
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
Tetrahydrofuran	N/A	Pass <720 ppm	USP <467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP <467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP <467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP <467>	as above
Toluene	N/A	Pass <890 ppm	USP <467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP <467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP <467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP <467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP <467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP <467>	as above
n-Hexane	N/A	Pass <290 ppm	USP <467>	as above
Nitromethane	N/A	Pass <50 ppm	USP <467>	as above
Chloroform	N/A	Pass <60 ppm	USP <467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP <467>	as above
Trichloroethylene	N/A	Pass <80 ppm	USP <467>	as above
Pyridine	N/A	Pass <200 ppm	USP <467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP <467>	as above
Tetralin	N/A	Pass <100 ppm	USP <467>	as above
Ethanol	N/A	Pass <5000 ppm	USP <467>	as above
Terpenes				
alpha-Pinene	N/A	Not Detected	GC	08/20/2019
Camphene	N/A	Not Detected	GC	as above
Beta-Myrcene	N/A	Not Detected	GC	as above
Beta-Pinene	N/A	Not Detected	GC	as above
		Authori	zed by	Helit 10/07/19

Authorized by Hadi Habib, M.Sc. / Technical Deputy



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#### **CERTIFICATE OF ANALYSIS**

Customer

Sojen Inc

**Date Received** 

8/19/2019

**Ambient** 

Address

Condition

Good

Gelcaps

Temp PO#

Sample Name

(0.66 Grams, 25mg of CBD)

Sample Lot # NPRL-004-MIB-1 / JM080719GC3

THC Detection Limit 0.001%

Remarks

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
3-Carene	N/A	Not Detected	GC	as above
alpha-Terpinene	N/A	Not Detected	GC	as above
Ocimene	N/A	Not Detected	GC	as above
Limonene	N/A	Not Detected	GC	as above
P-Cymene	N/A	Not Detected	GC	as above
Beta-Ocimene	N/A	Not Detected	GC	as above
Eucalyptol	N/A	Not Detected	GC	as above
gamma-Terpinene	N/A	Not Detected	GC	as above
Terpinolene	N/A	Not Detected	GC	as above
Linalool	N/A	0.05mg / g	GC	as above
Isopulegol	N/A	Not Detected	GC	as above
Geraniol	N/A	Not Detected	GC	as above
Beta-Caryophyllene	N/A	15.47mg / g	GC	as above
alpha-Humulene	N/A	0.97mg/g	GC	as above
Nerolidol 1	N/A	Not Detected	GC	as above
Nerolidol 2	N/A	Not Detected	GC	as above
Guaiol	N/A	0.31mg / g	GC	as above
Caryophyllene oxide	N/A	0.29mg / g	GC	as above
alpha-Bisabolol	N/A	Not Detected	GC	as above
Heavy Metals				
Arsenic (As)	N/A	<0.004 ppm	ICP-MS (STP-021)	08/20/2019
Cadmium (Cd)	N/A	<0.004 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.017 ppm	ICP-MS (STP-021)	as above
Microbiology				
TPC	N/A	<10 cfu/g	AOAC 966.23	08/23/2019
Yeast	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Mold	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above
	•		3.0	

Authorized by



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CoA#

19082010

**CoA Date** 

08/28/2019

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Final

## **CERTIFICATE OF ANALYSIS**

Customer Sojen Inc **Date Received** 8/19/2019 **Address** Condition Good Ambient Temp Sample Name 0.0% THC PCR Hemp Oil PO# Remarks

**Sample Lot #** NPRL-004-MIB-5 / JM080819B1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Pesticides		TO BE TO THE METERS OF THE STREET OF THE STREET AND A PRODUCT OF THE STREET OF THE STR		
DDT	N/A	Pass < 0.500 ppm	GC-MS	08/21/2019
Alachlor	N/A	Pass <0.500 ppm	GC-MS	as above
Aldin	N/A	Pass <0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	Pass <3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Brompropylate	N/A	Pass <2.000 ppm	GC-MS	as above
Chlordane	N/A	Pass <0.025 ppm	GC-MS	as above
Chlorfenvinphos	N/A	Pass < 0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	Pass <0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	Pass <2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	Pass < 0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	Pass <0.150 ppm	GC-MS	as above
Cypermethrin	N/A	Pass <0.150 ppm	GC-MS	as above
Deltamethrin	N/A	Pass <0.500 ppm	GC-MS	as above
Diazinon	N/A	Pass <2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	Pass <1.000 ppm	GC-MS	as above
Dichlorvos	N/A	Pass <0.050 ppm	GC-MS	as above
Dicofol	N/A	Pass <0.500 ppm	GC-MS	as above
Dieldrin	N/A	Pass <0.025 ppm	GC-MS	as above
Dimethoate	N/A	Pass <1.000 ppm	GC-MS	as above
Endosulfan	N/A	Pass <0.250 ppm	GC-MS	as above
Endrin	N/A	Pass <0.025 ppm	GC-MS	as above
Ethion	N/A	Pass <0.500 ppm	GC-MS	as above
Etrimphos	N/A	Pass <0.250 ppm	GC-MS	as above
Fenchlorophos	N/A	Pass <0.500 ppm	GC-MS	as above
Fenitrothion	N/A	Pass <1.000 ppm	GC-MS	as above
Fenpropathrin	N/A	Pass < 0.050 ppm	GC-MS	as above
Fensulfothion	N/A	Pass <0.500 ppm	GC-MS	as above
Fenthion	N/A	Pass <0.250 ppm	GC-MS	as above
Fenvalerate	N/A	Pass <0.010 ppm	GC-MS	as above
Flucytrinate	N/A	Pass <0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	Pass <0.250 ppm	GC-MS	as above
Fonofos	N/A	Pass <0.150 ppm	GC-MS	as above
Heptachlor	N/A	Pass <0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	Pass <0.100 ppm	GC-MS	as above

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## **CERTIFICATE OF ANALYSIS**

Customer Sojen Inc **Date Received** 8/19/2019 **Address** Condition Good **Ambient Temp** Sample Name 0.0% THC PCR Hemp Oil PO# Remarks Sample Lot # | NPRL-004-MIB-5 / JM080819B1

THC Detection Limit 0.001%

Specification **Test Result Test Method** 

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Hexachlorocyclohexane	N/A	Pass <0.025 ppm	GC-MS	as above
Lindane	N/A	Pass <0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass < 0.100 ppm	GC-MS	as above
Malathion	N/A	Pass <0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass < 0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass < 0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass < 0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass < 0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass < 1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass <0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass < 0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass < 0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass < 0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass < 1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass < 0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass < 0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass <0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass <0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above
Cannabinoids				
Cannabidiol (CBD)	N/A	90.1%	HPLC/UPLC	08/19/2019
Cannabidivarin (CBDV)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above

Hadi Halit 8/28/19 Authorized by Frank Frank Hadi Habib, M.Sc. / Technical Deputy



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#### **CERTIFICATE OF ANALYSIS**

Customer Sojen Inc **Date Received** 8/19/2019 **Address** Condition Good Temp Ambient Sample Name 0.0% THC PCR Hemp Oil PO# Remarks

Sample Lot # | NPRL-004-MIB-5 / JM080819B1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Cannabidiolic Acid (CBDA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabiegerol (CBG)	N/A	Not Detected	HPLC/UPLC	as above
Cannabinol (CBN)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinol (THC)	N/A	Not Detected	HPLC/UPLC	as above
delta-8-Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	Not Detected	HPLC/UPLC	as above
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP <467>	08/20/2019
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
Tetrahydrofuran	N/A	Pass <720 ppm	USP <467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP <467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP <467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP <467>	as above
Toluene	N/A	Pass <890 ppm	USP <467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP <467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP <467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP <467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP <467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP <467>	as above
n-Hexane	N/A	Pass <290 ppm	USP <467>	as above
Nitromethane	N/A	Pass <50 ppm	USP <467>	as above
Chloroform	N/A	Pass <60 ppm	USP <467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP <467>	as above
Trichloroethylene	N/A	Pass <80 ppm	USP <467>	as above
Pyridine	N/A	Pass <200 ppm	USP <467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP <467>	as above
Tetralin	N/A	Pass <100 ppm	USP <467>	as above
Ethanol	N/A	Pass <5000 ppm	USP <467>	as above
Terpenes				
alpha-Pinene	N/A	Not Detected	GC	08/20/2019
Camphene	N/A	Not Detected	GC	as above
Beta-Myrcene	N/A	Not Detected	GC	as above
Beta-Pinene	N/A	Not Detected	GC	as above
	22 (margin) 20	A SACHARAN SIGNATURA SIGNA	/ .	

Authorized by Hadi Habib, M.Sc. / Technical Deputy



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## **CERTIFICATE OF ANALYSIS**

Sojen Inc Customer **Date Received** 8/19/2019 **Address** Condition Good **Ambient** Temp Sample Name 0.0% THC PCR Hemp Oil **PO**# Remarks Sample Lot # | NPRL-004-MIB-5 / JM080819B1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	Test Method	Test Date
3-Carene	N/A	Not Detected	GC	as above
alpha-Terpinene	N/A	Not Detected	GC	as above
Ocimene	N/A	Not Detected	GC	as above
Limonene	N/A	Not Detected	GC	as above
P-Cymene	N/A	Not Detected	GC	as above
Beta-Ocimene	N/A	Not Detected	GC	as above
Eucalyptol	N/A	0.07mg / g	GC	as above
gamma-Terpinene	N/A	Not Detected	GC	as above
Terpinolene	N/A	Not Detected	GC	as above
Linalool	N/A	0.40mg / g	GC	as above
Isopulegol	N/A	0.05mg / g	GC	as above
Geraniol	N/A	Not Detected	GC	as above
Beta-Caryophyllene	N/A	3.74mg / g	GC	as above
alpha-Humulene	N/A	0.53mg / g	GC	as above
Nerolidol 1	N/A	Not Detected	GC	as above
Nerolidol 2	N/A	Not Detected	GC	as above
Guaiol	N/A	3.01mg / g	GC	as above
Caryophyllene oxide	N/A	3.82mg / g	GC	as above
alpha-Bisabolol	N/A	Not Detected	GC	as above
Heavy Metals				
Arsenic (As)	N/A	0.007 ppm	ICP-MS (STP-021)	08/20/2019
Cadmium (Cd)	N/A	<0.004 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.007 ppm	ICP-MS (STP-021)	as above
Microbiology				
TPC	N/A	<10 cfu/q	AOAC 966.23	08/23/2019
Yeast	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Mold	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above

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CoA#

19082011

**CoA Date** 

08/28/2019

**CoA Status** 

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## **CERTIFICATE OF ANALYSIS**

Customer

Sojen Inc

**Date Received** 

8/19/2019

**Address** 

Condition

Good

Temp

**Ambient** 

Sample Name

PCR Balm

PO# Remarks

Sample Lot # NPRL-004-MIB-2 / JM080819SA1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	Test Method	<b>Test Date</b>
Pesticides				***************************************
DDT	N/A	Pass < 0.500 ppm	GC-MS	08/21/2019
Alachlor	N/A	Pass <0.500 ppm	GC-MS	as above
Aldin	N/A	Pass <0.025 ppm	GC-MS	as above
Azinphos-ethyl	N/A	Pass <3.000 ppm	GC-MS	as above
Azinphos-methyl	N/A	Pass < 0.500 ppm	GC-MS	as above
Bromophos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Bromophos-methyl	N/A	Pass <0.500 ppm	GC-MS	as above
Brompropylate	N/A	Pass <2.000 ppm	GC-MS	as above
Chlordane	N/A	Pass <0.025 ppm	GC-MS	as above
Chlorfenvinphos	N/A	Pass <0.500 ppm	GC-MS	as above
Chlorpyrifos	N/A	Pass <0.150 ppm	GC-MS	as above
Chlorpyrifos-methyl	N/A	Pass <2.000 ppm	GC-MS	as above
Chlorthal-dimethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Cyfluthrin	N/A	Pass < 0.100 ppm	GC-MS	as above
Cyhalothrin-Lambda	N/A	Pass <0.150 ppm	GC-MS	as above
Cypermethrin	N/A	Pass <0.150 ppm	GC-MS	as above
Deltamethrin	N/A	Pass <0.500 ppm	GC-MS	as above
Diazinon	N/A	Pass <2.000 ppm	GC-MS	as above
Dichlofluanid	N/A	Pass <1.000 ppm	GC-MS	as above
Dichlorvos	N/A	Pass <0.050 ppm	GC-MS	as above
Dicofol	N/A	Pass <0.500 ppm	GC-MS	as above
Dieldrin	N/A	Pass <0.025 ppm	GC-MS	as above
Dimethoate	N/A	Pass <1.000 ppm	GC-MS	as above
Endosulfan	N/A	Pass < 0.250 ppm	GC-MS	as above
Endrin	N/A	Pass <0.025 ppm	GC-MS	as above
Ethion	N/A	Pass <0.500 ppm	GC-MS	as above
Etrimphos	N/A	Pass <0.250 ppm	GC-MS	as above
Fenchlorophos	N/A	Pass <0.500 ppm	GC-MS	as above
Fenitrothion	N/A	Pass <1.000 ppm	GC-MS	as above
Fenpropathrin	N/A	Pass <0.050 ppm	GC-MS	as above
Fensulfothion	N/A	Pass <0.500 ppm	GC-MS	as above
Fenthion	N/A	Pass < 0.250 ppm	GC-MS	as above
Fenvalerate	N/A	Pass <0.010 ppm	GC-MS	as above
Flucytrinate	N/A	Pass <0.100 ppm	GC-MS	as above
Fluvalinate-Tau	N/A	Pass <0.250 ppm	GC-MS	as above
Fonofos	N/A	Pass <0.150 ppm	GC-MS	as above
Heptachlor	N/A	Pass <0.075 ppm	GC-MS	as above
Hexachlorbenzene	N/A	Pass < 0.100 ppm	GC-MS	as above

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**CoA Date** 

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Final **CoA Status** 

## **CERTIFICATE OF ANALYSIS**

Sojen Inc Customer **Date Received** 8/19/2019 **Address** Condition Good Temp Ambient Sample Name PCR Balm PO# Remarks **Sample Lot #** NPRL-004-MIB-2 / JM080819SA1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	<b>Test Method</b>	Test Date
Hexachlorocyclohexane	N/A	Pass <0.025 ppm	GC-MS	as above
Lindane	N/A	Pass <0.250 ppm	GC-MS	as above
Malaoxon	N/A	Pass <0.100 ppm	GC-MS	as above
Malathion	N/A	Pass < 0.250 ppm	GC-MS	as above
Mecarbam	N/A	Pass <0.500 ppm	GC-MS	as above
Methacrifos	N/A	Pass < 0.025 ppm	GC-MS	as above
Methamidophos	N/A	Pass <0.005 ppm	GC-MS	as above
Methidathion	N/A	Pass <0.100 ppm	GC-MS	as above
Methoxychlor	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-ethyl	N/A	Pass <1.000 ppm	GC-MS	as above
Mirex	N/A	Pass <1.000 ppm	GC-MS	as above
Monocrotophos	N/A	Pass < 0.050 ppm	GC-MS	as above
Omethoate	N/A	Pass <0.500 ppm	GC-MS	as above
Paraoxon-ethyl	N/A	Pass < 0.025 ppm	GC-MS	as above
Paraoxon	N/A	Pass <2.000 ppm	GC-MS	as above
Parathion-methyl	N/A	Pass <1.000 ppm	GC-MS	as above
Pendimethalin	N/A	Pass <1.000 ppm	GC-MS	as above
Pentachloroanisole	N/A	Pass <0.025 ppm	GC-MS	as above
Permethrin	N/A	Pass <0.025 ppm	GC-MS	as above
Phosalone	N/A	Pass <2.000 ppm	GC-MS	as above
Phosmet	N/A	Pass <0.500 ppm	GC-MS	as above
Piperonylbutoxide	N/A	Pass <1.000 ppm	GC-MS	as above
Pirimiphos-ethyl	N/A	Pass <0.050 ppm	GC-MS	as above
Pirimiphos-methyl	N/A	Pass <0.250 ppm	GC-MS	as above
Procymidone	N/A	Pass <1.000 ppm	GC-MS	as above
Profenofos	N/A	Pass <2.000 ppm	GC-MS	as above
Prothiofos	N/A	Pass < 0.500 ppm	GC-MS	as above
Pyrethrum	N/A	Pass < 0.250 ppm	GC-MS	as above
Quinalphos	N/A	Pass <0.500 ppm	GC-MS	as above
Quintozene	N/A	Pass <1.000 ppm	GC-MS	as above
S-421	N/A	Pass <0.500 ppm	GC-MS	as above
Tecnazene	N/A	Pass <0.100 ppm	GC-MS	as above
Tetradifon	N/A	Pass <0.250 ppm	GC-MS	as above
Vinclozolin	N/A	Pass <1.000 ppm	GC-MS	as above
Cannabinoids				
Cannabidiol (CBD)	N/A	544.7mg / oz	HPLC/UPLC	08/20/2019
Cannabidivarin (CBDV)	N/A	Not Detected	HPLC/UPLC	as above
Cannabidivarinic Acid (CBDVA)	N/A	Not Detected	HPLC/UPLC	as above
			11 1: 2/ //	

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## **CERTIFICATE OF ANALYSIS**

Customer Sojen Inc **Date Received** 8/19/2019 **Address** Condition Good Temp **Ambient** Sample Name PCR Balm PO# Remarks

Sample Lot # NPRL-004-MIB-2 / JM080819SA1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	Test Method	<b>Test Date</b>
Cannabidiolic Acid (CBDA)	N/A	Not Detected	HPLC/UPLC	as above
Cannabiegerol (CBG)	N/A	Not Detected	HPLC/UPLC	as above
Cannabinol (CBN)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinol (THC)	N/A	Not Detected	HPLC/UPLC	as above
delta-8-Tetrahydrocannabinol	N/A	Not Detected	HPLC/UPLC	as above
Cannabichromene (CBC)	N/A	Not Detected	HPLC/UPLC	as above
Tetrahydrocannabinolic (THCA)	N/A	Not Detected	HPLC/UPLC	as above
Residual Solvents				
Methanol	N/A	Pass <3000 ppm	USP <467>	08/20/2019
Acetonitrile	N/A	Pass <410 ppm	USP <467>	as above
Dichloromethane	N/A	Pass <600 ppm	USP <467>	as above
trans-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
cis-1, 2-Dichloroethene	N/A	Pass <1870 ppm	USP <467>	as above
Tetrahydrofuran	N/A	Pass <720 ppm	USP <467>	as above
Cyclohexane	N/A	Pass <3880 ppm	USP <467>	as above
Methylcyclohexane	N/A	Pass <1180 ppm	USP <467>	as above
1,4-Dioxane	N/A	Pass <380 ppm	USP <467>	as above
Toluene	N/A	Pass <890 ppm	USP <467>	as above
Chlorobenzene	N/A	Pass <360 ppm	USP <467>	as above
Ethylbenzene	N/A	Pass <368.9 ppm	USP <467>	as above
m-Xylene	N/A	Pass <1302 ppm	USP <467>	as above
p-Xylene	N/A	Pass <368.9 ppm	USP <467>	as above
o-Xylene	N/A	Pass <195.3 ppm	USP <467>	as above
n-Hexane	N/A	Pass <290 ppm	USP <467>	as above
Nitromethane	N/A	Pass <50 ppm	USP <467>	as above
Chloroform	N/A	Pass <60 ppm	USP <467>	as above
1,2-Dimethoxyethane	N/A	Pass <100 ppm	USP <467>	as above
Trichloroethylene	N/A	Pass <80 ppm	USP <467>	as above
Pyridine	N/A	Pass <200 ppm	USP <467>	as above
2-Hexanone	N/A	Pass <50 ppm	USP <467>	as above
Tetralin	N/A	Pass <100 ppm	USP <467>	as above
Ethanol	N/A	Pass <5000 ppm	USP <467>	as above
Terpenes				
alpha-Pinene	N/A	8.74mg / oz	GC	08/20/2019
Camphene	N/A	Not Detected	GC	as above
Beta-Myrcene	N/A	7.16mg / oz	GC	as above
Beta-Pinene	N/A	Not Detected	GC	as above

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#### **CERTIFICATE OF ANALYSIS**

Customer Sojen Inc **Date Received** 8/19/2019 **Address** Condition Good **Temp Ambient** Sample Name PCR Balm PO# Remarks

Sample Lot # NPRL-004-MIB-2 / JM080819SA1

THC Detection Limit 0.001%

Analysis	Specification	Test Result	<b>Test Method</b>	<b>Test Date</b>
3-Carene	N/A	Not Detected	GC	as above
alpha-Terpinene	N/A	Not Detected	GC	as above
Ocimene	N/A	69.62mg / oz	GC	as above
Limonene	N/A	35.30mg / oz	GC	as above
P-Cymene	N/A	10.49mg / oz	GC	as above
Beta-Ocimene	N/A	13.20mg / oz	GC	as above
Eucalyptol	N/A	300.53mg / oz	GC	as above
gamma-Terpinene	N/A	4.82mg / oz	GC	as above
Terpinolene	N/A	1.97mg / oz	GC	as above
Linalool	N/A	96.53mg / oz	GC	as above
Isopulegol	N/A	Not Detected	GC	as above
Geraniol	N/A	23.42mg / oz	GC	as above
Beta-Caryophyllene	N/A	7.52mg / oz	GC	as above
alpha-Humulene	N/A	Not Detected	GC	as above
Nerolidol 1	N/A	Not Detected	GC	as above
Nerolidol 2	N/A	Not Detected	GC	as above
Guaiol	N/A	Not Detected	GC	as above
Caryophyllene oxide	N/A	Not Detected	GC	as above
alpha-Bisabolol	N/A	Not Detected	GC	as above
Heavy Metals				
Arsenic (As)	N/A	<0.004 ppm	ICP-MS (STP-021)	08/20/2019
Cadmium (Cd)	N/A	<0.004 ppm	ICP-MS (STP-021)	as above
Mercury (Hg)	N/A	<0.001 ppm	ICP-MS (STP-021)	as above
Lead (Pb)	N/A	0.004 ppm	ICP-MS (STP-021)	as above
Microbiology				
TPC	N/A	<10 cfu/g	AOAC 966.23	08/23/2019
Yeast	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Mold	N/A	<10 cfu/g	FDA BAM Ch.18	as above
Coliforms	N/A	<10 cfu/g	AOAC 991.14	as above
E. coli	N/A	Negative / 10g	AOAC 991.14	as above
Salmonella	N/A	Negative / 10g	AOAC 989.13	as above
Staphylococcus aureus	N/A	Negative / 10g	AOAC 2003.07	as above

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