

Sample Name: Kenko Relief Cream

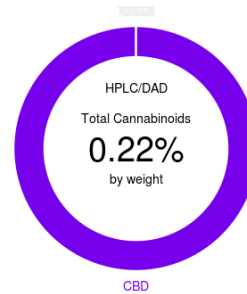
Client: pcnnaturals
 Sample Type: Topical
 Strain: Unknown
 Product Weight: 101.14 g

Submitted: February 11, 2019
 Tested: February 11, 2019
 Expires: February 10, 2020
 Submitted for: HPLC, Chemres, Micro, Residual Solvent,

Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2019-02-16

Cannabinoid	Percent	mg/g	Total mg	LOQ (mg/g)	LOD (mg/g)	L.C. ¹	Status
d9-THC	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
d8-THC	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
THCA	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
THCV	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
CBG	<LOQ	<LOQ		0.05	0.02	-	Pass
CBGA	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
CBN	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
CBD	0.22	2.20	221.87	0.05	0.02	-	Pass
CBDV	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
CBDA	ND ¹	ND ¹	0.00	0.05	0.02	-	Pass
Total	0.22	2.19	221.87	NA	NA	-	Pass
Total THC	ND ¹	ND ¹	ND ¹	-	-	-	Pass
Total CBD	0.22	2.19	221.87	-	-	-	Pass



HPLC/DAD results are not moisture normalized.
 -0% Decarboxylated THC
¹L.C. = Label Claim in mg/g
 Total THC = ((THCA*0.877)+ d9-THC)
 Total CBD = ((CBDA*0.877)+ CBD)

Microbiological Screening - Pass

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed: 2019-02-14

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	< A.L.	< 1 cfu/g	1 cfu/g	Pass
Salmonella	< A.L.	< 1 cfu/g	1 cfu/g	Pass

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis - Pass

Analysis of residual solvents. [SOP-011] | Date Performed: 2019-02-15

Solvent	ug/g	Action Limit	LOQ (ug/g)	LOD (ug/g)	Status
Benzene	< A.L.	1.0	1.00	0.33	Pass
Chloroform	< A.L.	1.0	1.00	0.33	Pass
1-2-Dichloroethane	< A.L.	1.0	1.00	0.33	Pass
Ethylene Oxide	< A.L.	1.0	1.00	0.33	Pass
Methylene Chloride	< A.L.	1.0	1.00	0.33	Pass
Trichloroethylene	< A.L.	1.0	1.00	0.33	Pass
Acetone	< A.L.	5000	150.00	10.00	Pass
Acetonitrile	< A.L.	410	6.00	2.30	Pass
Ethanol	< A.L.	N/A	250.00	2.00	Pass
Ethyl Acetate	< A.L.	5000	250.00	2.00	Pass
Diethyl ether	< A.L.	5000	250.00	2.00	Pass
Heptane	< A.L.	5000	250.00	2.00	Pass
Hexane	< A.L.	290	6.00	2.00	Pass
Isopropanol	< A.L.	N/A	50.00	10.00	Pass
Methanol	< A.L.	3000	50.00	10.00	Pass
N-Butane	< A.L.	5000	50.00	6.50	Pass
Pentane	< A.L.	5000	50.00	1.00	Pass
Propane	< A.L.	5000	200.00	10.00	Pass
Toluene	< A.L.	890	3.00	1.00	Pass
Total Xylenes	< A.L.	2170	3.00	1.00	Pass

*ND = Not Detected
 **Client Limit is self-selected and will be replaced by official CA State limits when they become available

Foreign Material Analysis -

Analysis to determine whether foreign material is present | Date Performed:

Analysis	Status



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Chemical Residue Screening - Pass

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2019-02-14

ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status	
< A.L.	0.02	0.01	0.30	Pass	Fludioxonil	< A.L.	0.01	0.01	30.00	Pass
< A.L.	0.12	0.04	5.00	Pass	Hexythiazox	< A.L.	0.02	0.01	2.00	Pass
< A.L.	0.01	0.01	4.00	Pass	Imazalil	< A.L.	0.00	0.00	0.00	Pass
< A.L.	0.01	0.01	5.00	Pass	Imidacloprid	< A.L.	0.01	0.01	3.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Kresoxim-methyl	< A.L.	0.01	0.01	1.00	Pass
< A.L.	0.01	0.01	40.00	Pass	Malathion	< A.L.	0.03	0.01	5.00	Pass
< A.L.	0.01	0.01	5.00	Pass	Metalaxyl	< A.L.	0.00	0.00	15.00	Pass
< A.L.	0.07	0.02	0.50	Pass	Methiocarb	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.01	0.01	10.00	Pass	Methomyl	< A.L.	0.01	0.01	0.10	Pass
< A.L.	0.03	0.01	5.00	Pass	Mevinphos	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.01	0.01	0.50	Pass	Myclobutanil	< A.L.	0.01	0.01	9.00	Pass
< A.L.	0.01	0.01	0.00	Pass	Naled	< A.L.	0.02	0.01	0.50	Pass
< A.L.	0.02	0.01	40.00	Pass	Oxamyl	< A.L.	0.02	0.01	0.20	Pass
< A.L.	0.05	0.02	0.00	Pass	Paclbutrazol	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Parathion methyl	< A.L.	0.06	0.02	0.00	Pass
< A.L.	0.05	0.02	0.00	Pass	PCNB	< A.L.	0.02	0.01	0.20	Pass
< A.L.	0.02	0.01	0.50	Pass	Permethrin	< A.L.	0.02	0.01	20.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Phosmet	< A.L.	0.01	0.01	0.20	Pass
< A.L.	0.05	0.02	1.00	Pass	Piperonyl butoxide	< A.L.	0.01	0.01	8.00	Pass
< A.L.	0.04	0.01	1.00	Pass	Prallethrin	< A.L.	0.03	0.01	0.40	Pass
< A.L.	0.02	0.01	0.00	Pass	Propiconazole	< A.L.	0.01	0.01	20.00	Pass
< A.L.	0.01	0.01	0.20	Pass	Propoxure	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.01	0.01	0.00	Pass	Pyrethrin	< A.L.	0.04	0.01	1.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Pyridaben	< A.L.	0.00	0.00	15.00	Pass
< A.L.	0.01	0.01	20.00	Pass	Spinetoram	< A.L.	0.01	0.01	3.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Spinosad	< A.L.	0.01	0.01	3.00	Pass
< A.L.	0.01	0.01	0.00	Pass	Spiromesifen	< A.L.	0.03	0.01	12.00	Pass
< A.L.	0.01	0.01	1.50	Pass	Spirotetramat	< A.L.	0.01	0.01	13.00	Pass
< A.L.	0.01	0.01	10.00	Pass	Spiroxamine	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.01	0.01	0.00	Pass	Tebuconazole	< A.L.	0.03	0.01	2.00	Pass
< A.L.	0.01	0.01	2.00	Pass	Thiacloprid	< A.L.	0.01	0.01	0.00	Pass
< A.L.	0.02	0.01	0.00	Pass	Thiamethoxam	< A.L.	0.01	0.01	4.50	Pass
< A.L.	0.02	0.01	0.20	Pass	Trifloxystrobin	< A.L.	0.01	0.01	30.00	Pass

*ND = Not Detected
 NT = Not Tested

Terpene Profiling -

Analysis of terpenes. [SOP-012] | Date Performed:

PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. ²	Status	PPM	mg/g	LOQ (mg/g)	LOD (mg/g)	L.C. ²	Status
b-Myrcene	NT										
a-Bisabolol	NT					b-Caryophyllene	NT				
d3-Carene	NT					Isopulegol	NT				
d-Limonene	NT					Linalool	NT				
g-Terpinene	NT										
a-Pinene	NT					a-Caryophyllene	NT				
						guaiol	NT				
b-Pinene	NT										
Camphene	NT					Terpinolene	NT				
						a-Terpinene	NT				

Total Terpenes 0.0 PPM

¹ND = Not Detected
²L.C. = Label Claim

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This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

Robert W Martin, PhD
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