

# CERTIFICATE OF ANALYSIS

Sample Name: CBD Active Sport Ointment  
 Steep Hill ID: AR73081  
 Batch ID: V0519253  
 State ID: 1768  
 Sample Type: Topical  
 Date Received: 9/12/2019  
 Date Reported: 9/13/2019  
 Pkg. Mass: 30.07 g

Customer: Aidance Skincare & Topical Solutions  
 184 Burnside Avenue Address is in Rhode Island  
 Woonsocket, RI 02895

**Cannabinoid Results – Standard Potency** 9/13/2019

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	mg/pkg	LOD mg/g	LOQ mg/g
CBD	0.62	6.2	188	0.0056	0.0188
CBDA	ND	ND	ND	0.0055	0.0185
THC	ND	ND	ND	0.0062	0.021
THCA	ND	ND	ND	0.0027	0.0089
Total	0.62	6.2	188		

Total THC	Total CBD
Not Detected	0.62 %
Not Detected	6.2 mg/g
Not Detected	188 mg/pkg

**Cannabinoid Results – Extended Cannabinoids** NT

Extended cannabinoid analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	mg/pkg	LOD mg/g	LOQ mg/g
CBC	NT	NT	NT	NT	NT
CBD	NT	NT	NT	NT	NT
CBDA	NT	NT	NT	NT	NT
CBDV	NT	NT	NT	NT	NT
CBG	NT	NT	NT	NT	NT
CBGA	NT	NT	NT	NT	NT
CBN	NT	NT	NT	NT	NT
THC	NT	NT	NT	NT	NT
Δ8-THC	NT	NT	NT	NT	NT
THCA	NT	NT	NT	NT	NT
THCV	NT	NT	NT	NT	NT
Total	NT	NT	NT	NT	NT

**Moisture Results** NT

Moisture content analysis utilizing Moisture Balance (MB; SOP-055-AR)


Analyte	%
Moisture	NT

**Water Activity Results** NT

 Water activity analysis utilizing Water Activity Meter (WAM; SOP-059-AR) - **Limit units: Aw**

Analyte	Pass/Fail	Aw	Limit
Water Activity		NT	NT

LOD: Limit of Detection  
 LOQ: Limit of Quantitation  
 NT: Not Tested  
 ND: Not Detected



Brandon Thornton  
 Pharm D. Co-Owner & CEO  
 Date: 9/13/2019

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**Residual Pesticides Results**

NT

 Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS);  
 SOP-070-AR + SOP-073-AR) - **Limit units: ug/g = ppm**

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
Abamectin	NT	NT	NT	NT	NT	Imazailil	NT	NT	NT	NT	NT
Acephate	NT	NT	NT	NT	NT	Imidacloprid	NT	NT	NT	NT	NT
Acequinocyl	NT	NT	NT	NT	NT	Kresoxim-methyl	NT	NT	NT	NT	NT
Acetamiprid	NT	NT	NT	NT	NT	Malathion	NT	NT	NT	NT	NT
Aldicarb	NT	NT	NT	NT	NT	Metalaxyl	NT	NT	NT	NT	NT
Azoxystrobin	NT	NT	NT	NT	NT	Methiocarb	NT	NT	NT	NT	NT
Bifenazate	NT	NT	NT	NT	NT	Methomyl	NT	NT	NT	NT	NT
Bifenthrin	NT	NT	NT	NT	NT	Methyl Parathion	NT	NT	NT	NT	NT
Boscalid	NT	NT	NT	NT	NT	MGK-264	NT	NT	NT	NT	NT
Carbaryl	NT	NT	NT	NT	NT	Myclobutanil	NT	NT	NT	NT	NT
Carbofuran	NT	NT	NT	NT	NT	Naled	NT	NT	NT	NT	NT
Chlorantraniliprole	NT	NT	NT	NT	NT	Oxamyl	NT	NT	NT	NT	NT
Chlorfenapyr	NT	NT	NT	NT	NT	Paclobutrazol	NT	NT	NT	NT	NT
Chlorpyrifos	NT	NT	NT	NT	NT	Permethrins	NT	NT	NT	NT	NT
Clofentezine	NT	NT	NT	NT	NT	Phosmet	NT	NT	NT	NT	NT
Cyfluthrin	NT	NT	NT	NT	NT	Piperonyl Butoxide	NT	NT	NT	NT	NT
Cypermethrin	NT	NT	NT	NT	NT	Prallethrin	NT	NT	NT	NT	NT
Daminozide	NT	NT	NT	NT	NT	Propiconazole	NT	NT	NT	NT	NT
Diazinon	NT	NT	NT	NT	NT	Propoxur	NT	NT	NT	NT	NT
DDVP (Dichlorvos)	NT	NT	NT	NT	NT	Pyrethrins	NT	NT	NT	NT	NT
Dimethoate	NT	NT	NT	NT	NT	Pyridaben	NT	NT	NT	NT	NT
Ethoprophos	NT	NT	NT	NT	NT	Spinosad	NT	NT	NT	NT	NT
Etofenprox	NT	NT	NT	NT	NT	Spiromesifen	NT	NT	NT	NT	NT
Etoxazole	NT	NT	NT	NT	NT	Spirotetramat	NT	NT	NT	NT	NT
Fenoxycarb	NT	NT	NT	NT	NT	Spiroxamine	NT	NT	NT	NT	NT
Fenpyroximate	NT	NT	NT	NT	NT	Tebuconazole	NT	NT	NT	NT	NT
Fipronil	NT	NT	NT	NT	NT	Thiacloprid	NT	NT	NT	NT	NT
Fonicamid	NT	NT	NT	NT	NT	Thiamethoxam	NT	NT	NT	NT	NT
Fludioxonil	NT	NT	NT	NT	NT	Trifloxystrobin	NT	NT	NT	NT	NT
Hexythiazox	NT	NT	NT	NT	NT						

**Microbial Impurities Results**

NT

 Microbiological screening utilizing 3M Petrifilm (SOP-700-AR) - **Limit units: CFU/g**

Analyte	Pass/Fail	Result	Limit	LOQ
Coliform	NT	NT	NT	NT
General E. coli	NT	NT	NT	NT

**Heavy Metals Results**

NT

 Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS; SOP-072-AR) - **Limit units: µg/kg**


Analyte	Pass/Fail	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Arsenic	NT	NT	NT	NT	NT
Cadmium	NT	NT	NT	NT	NT
Lead	NT	NT	NT	NT	NT
Mercury	NT	NT	NT	NT	NT

**Terpenoid Results - Standard Terpenes**

NT

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g
Caryophyllene Oxide	NT	NT	NT	NT
β-Caryophyllene	NT	NT	NT	NT
α-Humulene	NT	NT	NT	NT
Limonene	NT	NT	NT	NT
Linalool	NT	NT	NT	NT
β-Myrcene	NT	NT	NT	NT
α-Pinene	NT	NT	NT	NT
β-Pinene	NT	NT	NT	NT
Terpinolene	NT	NT	NT	NT
Total	NT	NT	NT	NT



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**Terpenoid Results - Extended Terpenes**

NT

Extended terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
α-Bisabolol	NT	NT	NT	NT	Linalool	NT	NT	NT	NT
endo-Borneol	NT	NT	NT	NT	Menthol	NT	NT	NT	NT
Camphene	NT	NT	NT	NT	β-Myrcene	NT	NT	NT	NT
Camphor	NT	NT	NT	NT	Nerol	NT	NT	NT	NT
3-Carene	NT	NT	NT	NT	cis-Nerolidol	NT	NT	NT	NT
Caryophyllene Oxide	NT	NT	NT	NT	trans-Nerolidol	NT	NT	NT	NT
β-Caryophyllene	NT	NT	NT	NT	cis-β-Ocimene	NT	NT	NT	NT
α-Cedrene	NT	NT	NT	NT	trans-β-Ocimene	NT	NT	NT	NT
Cedrol	NT	NT	NT	NT	α-Phellandrene	NT	NT	NT	NT
Eucalyptol	NT	NT	NT	NT	α-Pinene	NT	NT	NT	NT
β-Farnesene	NT	NT	NT	NT	β-Pinene	NT	NT	NT	NT
Fenchol	NT	NT	NT	NT	Pulegone	NT	NT	NT	NT
Fenchone	NT	NT	NT	NT	Sabinene	NT	NT	NT	NT
Geraniol	NT	NT	NT	NT	Sabinene Hydrate	NT	NT	NT	NT
Geranyl Acetate	NT	NT	NT	NT	α-Terpinene	NT	NT	NT	NT
Guaiol	NT	NT	NT	NT	γ-Terpinene	NT	NT	NT	NT
α-Humulene	NT	NT	NT	NT	Terpineol	NT	NT	NT	NT
Isoborneol	NT	NT	NT	NT	Terpinolene	NT	NT	NT	NT
Isopulegol	NT	NT	NT	NT	Valencene	NT	NT	NT	NT
Limonene	NT	NT	NT	NT	Total	NT	NT	NT	NT

**Residual Solvents Results**

NT

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-AR) - Limit units: µg/g

Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g	Analyte	Pass/Fail	µg/g	Limit	LOD µg/g	LOQ µg/g
1-Butanol		NT	NT	NT	NT	Dimethyl Sulfoxide		NT	NT	NT	NT
1-Pentanol		NT	NT	NT	NT	Ethanol		NT	NT	NT	NT
1-Propanol		NT	NT	NT	NT	Ethyl Acetate		NT	NT	NT	NT
1,2-Dimethoxyethane		NT	NT	NT	NT	Ethyl Ether		NT	NT	NT	NT
1,4-Dioxane		NT	NT	NT	NT	Ethylene Glycol		NT	NT	NT	NT
2-Butanol		NT	NT	NT	NT	Ethylene Oxide		NT	NT	NT	NT
2-Butanone		NT	NT	NT	NT	Heptane		NT	NT	NT	NT
2-Ethoxyethanol		NT	NT	NT	NT	n-Hexane		NT	NT	NT	NT
2-Methylbutane		NT	NT	NT	NT	Isopropyl Acetate		NT	NT	NT	NT
2-Methylpentane		NT	NT	NT	NT	Methanol		NT	NT	NT	NT
2-Propanol (IPA)		NT	NT	NT	NT	Methylpropane		NT	NT	NT	NT
2,2-Dimethylbutane		NT	NT	NT	NT	N,N-Dimethylacetamide		NT	NT	NT	NT
2,3-Dimethylbutane		NT	NT	NT	NT	N,N-Dimethylformamide		NT	NT	NT	NT
3-Methylpentane		NT	NT	NT	NT	Pentane		NT	NT	NT	NT
Acetone		NT	NT	NT	NT	Propane		NT	NT	NT	NT
Acetonitrile		NT	NT	NT	NT	Pyridine		NT	NT	NT	NT
Benzene		NT	NT	NT	NT	Sulfolane		NT	NT	NT	NT
Butane		NT	NT	NT	NT	Tetrahydrofuran		NT	NT	NT	NT
Cumene		NT	NT	NT	NT	Toluene		NT	NT	NT	NT
Cyclohexane		NT	NT	NT	NT	Xylenes		NT	NT	NT	NT
Dichloromethane		NT	NT	NT	NT						



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