



Pinnacle Distribution

2231 Missouri Ave Carthage
Missouri, United States 64836
(888) 406-7510
aj@pinnacleastro.com



SAMPLE:DA90912016-005

Sample is BELOW 0.3% THC
Retail Product Size : 1800 mg
Total Weight: 1800 mg
Ordered: 09/06/19 Sampled:09/06/19
Completed: 09/18/19 Expires: 09/18/20

Image



Safety

Pesticides - Passed
Microbials - Passed
Mycotoxins - Passed
Heavy Metals - Passed
Terpenes - Tested
Residual-Solvents - Passed
Filt - Passed
Water Activity - NOT Tested
Moisture - NOT Tested

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	0.110	1.100
THCA	0.018	0.180
CBD	3.880	38.800
CBDA	1.038	10.380
CBN	ND	ND
CBDV	0.020	0.200
D8-THC	ND	ND
THCV	ND	ND
CBG	0.076	0.760
CBGA	0.026	0.260
CBC	0.235	2.350
TOTAL THC	0.125	1.250
TOTAL CBD	4.790	47.900

Cannabinoids

0.125% Total THC	4.790% Total CBD
47.54 mg THC/Container	1,810.74 mg CBD/Container





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Terpenes

ALPHA-CEDRENE
ALPHA-HUMULENE
ALPHA-PINENE
ALPHA-TERPINENE
BETA-MYRCENE
BETA-PINENE
BORNEOL
CAMPHENE
CAMPHOR
CARYOPHYLLENE OXIDE
CEDROL
ALPHA-BISABOLOL
ISOPULEGOL
CIS-NEROLIDOL
3-CARENE
FENCHYL ALCOHOL
HEXAHYDROTHYMOL
EUCALYPTOL
ISOBORNEOL
FARNESENE
FENCHONE
GAMMA-TERPINENE
GERANIOL
GERANYL ACETATE
GUAJOL
LIMONENE
LINALOOL
NEROL
OCIMENE
ALPHA-PHELLANDRENE
PULEGONE
SABINENE
SABINENE HYDRATE
TERPINEOL
TERPINOLENE
TRANS-CARYOPHYLLENE
TRANS-NEROLIDOL
VALENCENE

Test result %

ND
ND
ND
ND
ND
ND
ND
ND
ND
ND
ND
0.041
ND
ND
ND
ND
ND
ND
0.081
ND
ND
ND
0.021
ND
ND
ND
ND
ND
ND
ND
ND
ND
ND
0.055
ND
ND
ND
0.2





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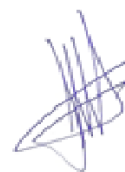
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Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.01	0.05	ppm	ND	FIPRONIL	0.02	0.05	ppm	ND
ABAMECTIN B1A	0.02	0.1	ppm	ND	FLONICAMID	0.01	0.4	ppm	ND
PENTACHLORONITROBENZENE	0.01	0.2	ppm	ND	CARBOFURAN	0.01		ppm	ND
METHYL PARATHION	0.05	0.2	ppm	ND	CHLORANTRANILIPROLE	0.01		ppm	ND
CYFLUTHRIN	0.05	1	ppm	ND	FLUDIOXONIL	0.01	0.1	ppm	ND
CIS-PERMETHRIN	0.05	0.1	ppm	ND	HEKYTHIAZOX	0.01	0.25	ppm	ND
ACEPHATE	0.01	0.1	ppm	ND	CHLORFENAPYR	0.01	0.05	ppm	ND
DIMETHOMORPH	0.005	0.05	ppm	ND	IMAZALIL	0.01	0.05	ppm	ND
ETHOPROPHOS	0.01	0.05	ppm	ND	CHLORPYRIFOS	0.01	0.1	ppm	ND
ACEQUINOCYL	0.05	0.1	ppm	ND	IMIDACLOPRID	0.01	0.1	ppm	ND
ACETAMIPRID	0.01	0.05	ppm	ND	CLOFENTEZINE	0.01	0.2	ppm	ND
ETOFENPROX	0.01	0.05	ppm	ND	KRESOXIM-METHYL	0.01	0.1	ppm	ND
ALDICARB	0.02	0.05	ppm	ND	COUMAPHOS	0.005	0.05	ppm	ND
ETOXAZOLE	0.01	0.05	ppm	ND	MALATHION	0.01	0.05	ppm	ND
AZOXYSTROBIN	0.01	0.05	ppm	ND	CYPERMETHRIN	0.02	0.5	ppm	ND
FENHEXAMID	0.01	0.1	ppm	ND	DAMINOZIDE	0.02	0.5	ppm	ND
BIFENAZATE	0.01	0.1	ppm	ND	METALAXYL	0.01	0.05	ppm	ND
FENOXYCARB	0.01	0.05	ppm	ND	DICHLORVOS	0.05	0.1	ppm	ND
FENPYROXIMATE	0.01	0.5	ppm	ND	METHIOCARB	0.01	0.05	ppm	ND
BIFENTHRIN	0.01	0.1	ppm	ND	METHOMYL	0.01	0.1	ppm	ND
CARBARYL	0.01		ppm	ND	DIAZANON	0.01	0.05	ppm	ND
					MEVINPHOS	0.01	0.05	ppm	ND
					MYCLOBUTANIL	0.01	0.1	ppm	ND
					NALED	0.01	0.25	ppm	ND
					OXAMYL	0.01	0.25	ppm	ND
					PACLOBUTRAZOL	0.01	0.05	ppm	ND
					TRANS-PERMETHRIN	0.05	0.1	ppm	ND
					PHOSMET	0.01	0.1	ppm	ND
					PIPERONYL BUTOXIDE	0.01	3	ppm	ND
					PRALLETHRIN	0.05	0.1	ppm	ND
					PROPICONAZOLE	0.01	0.1	ppm	ND
					PROPOXUR	0.01	0.1	ppm	ND
					PYRETHRIN I	0.01	0.5	ppm	ND
					PYRIDABEN	0.01	0.2	ppm	ND
					SPINOSAD (SPINOSYN A)	0.01	0.1	ppm	ND
					SPINOSAD (SPINOSYN D)	0.01	0.1	ppm	ND
					SPIROMESIFEN	0.01	0.1	ppm	ND
					SPIROTETRAMAT	0.02	0.1	ppm	ND
					SPIROXAMINE	0.01	0.05	ppm	ND
					TEBUCONAZOLE	0.01	0.05	ppm	ND
					THIACLOPRID	0.01	0.05	ppm	ND
					THIAMETHOXAM	0.01	0.05	ppm	ND
					TRIFLOXYSTROBIN	0.01	0.1	ppm	ND





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Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
1,2-DICHLOROETHANE	2	Pass	ND
1,1-DICHLOROETHENE	8	Pass	ND
1,4-DIOXANE		Pass	ND
2-BUTANOL		Pass	ND
2-ETHOXYETHANOL		Pass	ND
2-PROPANOL	500	Pass	ND
ACETONE	750	Pass	ND
ACETONITRILE	60	Pass	ND
BENZENE	1	Pass	ND
BUTANES (ISO-BUTANE)	2000	Pass	ND
BUTANES (N-BUTANE)	2000	Pass	ND
CHLOROFORM	2	Pass	ND
ETHANOL	5000	Pass	ND
ETHYL ACETATE	400	Pass	ND
CYCLOHEXANE		Pass	ND
DICHLOROMETHANE		Pass	ND
ETHYL ETHER	500	Pass	ND
ETHYLENE OXIDE	5	Pass	ND
ETHYLBENZENE		Pass	ND
HEPTANE	500	Pass	ND
HEXANES (2,2-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2,3-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2-METHYLPENTANE)	60	Pass	ND
HEXANES (3-METHYLPENTANE)	60	Pass	ND
ISOPROPYL ACETATE		Pass	ND
METHYLENE CHLORIDE	125	Pass	ND
METHANOL	250	Pass	ND
N-HEXANE	60	Pass	ND
PENTANES (ISO-PENTANE)		Pass	ND
PENTANES (N-PENTANE)	750	Pass	ND
PENTANES (NEO-PENTANE)		Pass	ND
PROPANE	2100	Pass	ND
TETRAHYDROFURAN		Pass	ND
TOLUENE	150	Pass	ND
TOTAL XYLENES	150	Pass	ND
TRICHLOROETHYLENE	25	Pass	ND





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Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Analytical Batch:DA006422

Reagent LOT ID	Dilution	Consumables Id	Reagent LOT ID	Dilution	Consumables Id
091119.R05	40	76124-662	091619.R08		923C4-923AK
091119.R04		SFN-BX-1025			910C6 - 910H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filt and foreign Materials-Analysis Method :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis Method :SOP.T.30.065, SOP.T.40.065

Analytical Batch:DA006326

Analyte	Results	Action Level
AFLATOXIN_G2	ND	0.02
AFLATOXIN_G1	ND	0.02
AFLATOXIN_B2	ND	0.02
AFLATOXIN_B1	ND	0.02
OCHRATOXIN_A	ND	0.02

SOP.T.30.065, SOP.T.40.065

Micro Analysis-Analysis method :SOP.T.40.043

Analytical Batch: DA006330

Reagent LOT/ID	Dilution	Consumables id
090619.R02		A01
		2803018
		013
		009A
		019
		009

Pathogens

Pathogens	Results
ASPERGILLUS_TERREUS_1J2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.





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Pesticide Analysis-Analysis Method:SOP.T.30.065, SOP.T.40.065

Reagent LOT/ID	Dilution	Consumables ID
SOP.T.30.065, SOP.T.40.065		

Analytical Batch :DA006340

Reagent LOT/ID	Dilution	Consumables ID
SOP.T.30.065, SOP.T.40.065		

SOP.T.30.065, SOP.T.40.065

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

Reagent LOT/ID	Dilution	Consumables ID
091119.R09	50	
091319.R01		
082719.R04		

Reagent LOT/ID	Dilution	Consumables ID
091119.R10		
072519.R23		
052419.01		

Analytical Batch: DA006338

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Metal	Result	Action-Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.1

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Reagent LOT ID	Dilution	Consumables Id
1		00276446
		160861-1

Reagent LOT ID	Dilution	Consumables Id
		24152438

Analytical Batch :DA006320

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Terpenes screening-Analysis-Method:SOP.T.40.090

Reagent LOT ID	Dilution	Consumables Id
	10	

Reagent LOT ID	Dilution	Consumables Id

Analytical Batch :DA006336

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

