

Moisture Content & Water Activity

Analysis performed using thermo - gravimetric analysis

Measurement	Result
Moisture Content (%)	11.76%

Analysis performed using chilled mirror dew point sensor

Measurement	Result	Action Level	Status
Water Activity	0.35	0.65	PASS

Pesticide Analysis

Analysis performed using Liquid Chromatography - Mass Spectrometry (LC-MS/MS)

Analyte	CAS Number	Result (ppm)	Action Level (ppm)	Status
Abamectin	71751-41-2	0	0.5	PASS
Acephate	30560-19-1	0	0.4	PASS
Acequinocyl	57960-19-7	0	2	PASS
Acetamiprid	135410-20-7	0	0.2	PASS
Aldicarb	0116-06-03	0	0.4	PASS
Azoxystrobin	131860-33-8	0	0.2	PASS
Bifenazate	149877-41-8	0	0.2	PASS
Bifenthrin	82657-04-03	0	0.2	PASS
Boscalid	188425-85-6	0	0.4	PASS
Carbaryl	63-25-2	0	0.2	PASS
Carbofuran	1563-66-2	0	0.2	PASS
Chlorantraniliprole	500008-45-7	0	0.2	PASS
Chlorfenapyr	122453-73-0	0	1	PASS
Chlorpyrifos	2921-88-2	0	0.2	PASS
Clofentezine	74115-24-5	0	0.2	PASS
Cyfluthrin	68359-37-5	0	1	PASS
Cypermethrin	52315-07-08	0	1	PASS
Daminozide	1596-84-5	0	1	PASS
Dichlorvos	62-73-7	0	0.1	PASS
Diazinon	333-41-5	0	0.2	PASS
Dimethoate	60-51-5	0	0.2	PASS
Ethoprophos	13194-48-4	0	0.2	PASS
Etofenprox	80844-07-01	0	0.4	PASS
Etoxazole	153233-91-1	0	0.2	PASS
Fenoxycarb	72490-01-08	0	0.2	PASS
Fenpyroximate	134098-61-6	0	0.4	PASS
Fipronil	120068-37-3	0	0.4	PASS
Flonicamid	158062-67-0	0	1	PASS
Fludioxonil	131341-86-1	0	0.4	PASS
Hexythiazox	78587-05-0	0	1	PASS
Imazilil	35554-44-0	0	0.2	PASS

Pesticide Analysis (cont.)

Analyte	CAS Number	Result (ppm)	Action Level (ppm)	Status
Imidacloprid	138261-41-3	0	0.4	PASS
Kresoxim-methyl	143390-89-0	0	0.4	PASS
Malathion	121-75-5	0	0.2	PASS
Metalaxyl	57837-19-1	0	0.2	PASS
Methiocarb	2032-65-7	0	0.2	PASS
Methomyl	16752-77-5	0	0.4	PASS
Methyl parathion	298-00-0	0	0.2	PASS
MGK-264	113-48-4	0	0.2	PASS
Myclobutanil	88671-89-0	0	0.2	PASS
Naled	300-76-5	0	0.5	PASS
Oxamyl	23135-22-0	0	1	PASS
Paclobutrazol	76738-62-0	0	0.4	PASS
Permethrins	52645-53-1	0	0.2	PASS
Phosmet	0732-11-6	0	0.2	PASS
Piperonyl Butoxide	51-03-6	0	2	PASS
Prallethrin	23031-36-9	0	0.2	PASS
Propiconazole	60207-90-1	0	0.4	PASS
Propoxur	114-26-1	0	0.2	PASS
Pyrethrins	8003-34-7	0	1	PASS
Pyridaben	96489-71-3	0	0.2	PASS
Spinosad	168316-95-8	0	0.2	PASS
Spiromesifen	283594-90-1	0	0.2	PASS
Spirotetramat	203313-25-1	0	0.2	PASS
Spiroxamine	118134-30-8	0	0.4	PASS
Tebuconazole	80443-41-0	0	0.4	PASS
Thiacloprid	111988-49-9	0	0.2	PASS
Thiamethoxam	153719-23-4	0	0.2	PASS
Trifloxystrobin	141517-21-7	0	0.2	PASS

Heavy Metal Analysis

Analysis performed using Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

Analyte	Result (ppm)	Action Level (ppm)	Status	
Arsenic	7440-38-2	ND	2	PASS
Cadmium	7440-43-9	ND	0.82	PASS
Lead	7439-92-1	ND	1.2	PASS
Mercury	7439-97-6	ND	0.4	PASS

Terpene Analysis

Analysis performed using Gas Chromatography - Mass Spectrometry (GC-MS/MS)

Analyte	CAS Number	Result (%)
α -Bisabolol	515-69-5	ND
α -Humulene	6753-98-6	0.127
α -Pinene	80-56-8	0.0724
Terpinolene	586-62-9	ND
β -Caryophyllene	87-44-5	0.3475
β -Myrcene	123-35-3	0.0404
β -Pinene	127-91-3	0.0833
D-Limonene	5989-27-5	0.524
Linalool	78-70-6	0.1356
Geraniol	106-24-1	ND
Nerolidol	7212-44-4	0.0445
Guaiol	489-86-1	ND
Isopulegol	89-79-2	ND
Camphene	79-92-5	0.0118
δ -3-Carene	13466-78-9	ND
γ -Terpinene	99-85-4	ND
α -Terpinene	99-86-5	ND
Ocimene	502-99-8, 3338-55-4, 3779-61-1	0.0568
p-Cymene	99-87-6	ND

Microbial Analysis

Analysis performed using plating methods

Analyte	Result (cfu/g)	Allowed Limit	Status
TAC	<250	100,000	PASS
TYM	NT		--

Analysis performed using Polymerase Chain Reaction (PCR) methods

Organism	Result	Required	Status
E. coli	NT	<input checked="" type="checkbox"/>	--
Salmonella	NT	<input checked="" type="checkbox"/>	--
STEC	NT	<input type="checkbox"/>	--
Pseudomonas	NT	<input type="checkbox"/>	--
Aspergillus	NT	<input checked="" type="checkbox"/>	--
Staph	NT	<input type="checkbox"/>	--

Notes: Pathogen testing was not performed due to the global shortage of PCR clean pipette tips. For more information see <https://ag.utah.gov/2021/04/29/udaf-temporarily-adjusts-medical-cannabis-testing-protocols-due-to-global-shortages-of-laboratory-supplies/>.

ND = Not Detected NA = Not Applicable NT = Not Tested NQ = Not Quantifiable

- Results pertain only to the test sample listed in this report.

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The analysis given above was made under applicable provisions of the Utah Code and is a true statement of the results of an examination of a sample submitted to the laboratory under the identification herein recorded. The results here recorded may not be used as an endorsement for a product.