


**UTAH DEPARTMENT OF AGRICULTURE AND FOOD**  
 UNIFIED STATE LABORATORY  
 4451 SOUTH 2700 WEST  
 TAYLORSVILLE, UTAH 84129

**CERTIFICATE OF ANALYSIS**

Sample Information				Authorization:
<b>Producer:</b>	Standard Wellness of Utah	<b>Sample Number:</b>	F0283	 Brandon Forsyth, PhD State Chemist
<b>Description:</b>	Deadhead OG	<b>MJ Batch Number:</b>	DHOG210329H	
<b>Collected By:</b>	Aleisha Baker	<b>Date Received:</b>	05/06/2021	
<b>Date Collected:</b>	05/06/2021	<b>Issue Date:</b>	05/14/2021	

Requested Testing:

Cannabinoids	<input checked="" type="checkbox"/>	Pesticide	<input checked="" type="checkbox"/>
Foreign Matter	<input checked="" type="checkbox"/>	Heavy Metals	<input checked="" type="checkbox"/>
Microbial Life	<input checked="" type="checkbox"/>	Residual Solvents	<input type="checkbox"/>
Water Activity	<input checked="" type="checkbox"/>	Mycotoxin	<input type="checkbox"/>
Moisture	<input checked="" type="checkbox"/>		

**Cannabinoid Analysis**

*Analysis performed using High Performance Liquid Chromatography (HPLC)*

Analyte	% (w/w)	mg/g	% from COA	
Δ9-THC	0.86%	8.60	Total THC	21.6544
THCA	23.63%	236.30	D9THC	0.86
Δ8-THC	NQ	NQ	D9THCA	23.63
THCV	NQ	NQ	D8THC	
CBD	NQ	NQ	THCV	
CBDA	NQ	NQ	CBC	
CBDV	ND	ND	CBD	
CBN	ND	ND	CBDA	
CBG	ND	ND	CBDV	
CBGA	0.37%	3.70	CBGA	0.37
CBC	ND	ND	CBN	
CBCA	ND	ND	Total Cannabinoids for LT	24.86

**Foreign Matter Analysis**

*Analysis performed by visual inspection aided by magnification*

Analyte	Result	Foreign Matter Found	Status
Foreign Matter	ND	NA	PASS

## Moisture Content & Water Activity

*Analysis performed using thermo - gravametric analysis*

Measurement	Result
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Moisture Content (%)

*Analysis performed using chilled mirror dew point sensor*

Measurement	Result	Action Level	Status
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Water Activity		0.65	PASS
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## Pesticide Analysis

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

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

**Pesticide Analysis (cont.)**

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

## Microbial Analysis

### Analysis performed using plating methods

Analyte	Result (cfu/g)	Allowed Limit	Status
TYM	450000		PASS
TAC	100	100,000	PASS

### 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: The TYM number reported was due to the common presence of yeast, no mold was found. 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.*