



# Certificate of Analysis

Jul 15, 2020 | Bardo Labs

2566 Pennsylvania Ave  
Sayre, New York, 18840, United State

BARDO

Sample: DA00709012-001

Harvest/Lot ID: BL003-A

Seed to Sale #N/A

Batch Date :N/A

Batch#: BD6

Sample Size Received: 10 gram

Retail Product Size: 10

Ordered : 07/06/20

Sampled : 07/06/20

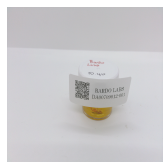
Completed: 07/15/20 Expires: 07/15/21

Sampling Method: SOP Client Method

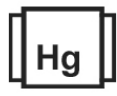
**PASSED**

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## PRODUCT IMAGE SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**NOT TESTED**

## MISC.

## CANNABINOID RESULTS



Total THC  
**3.711%**



Total CBD  
**81.163%**



Total Cannabinoids  
**89.520%**

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
3.339%	ND	0.932%	ND	ND	0.375%	ND	ND	81.163%	3.711%	ND
33.390 mg/g	ND	9.320 mg/g	ND	ND	3.750 mg/g	ND	ND	811.630 mg/g	37.110 mg/g	ND
LOD 0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001
%	%	%	%	%	%	%	%	%	%	%

	Filtration	<b>PASSED</b>
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Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
457	1g	NA		NA

Analysis Method -SOP.T.40.013	Batch Date : 07/09/20 09:49:10
Analytical Batch -DA013816FIL	Reviewed On - 07/09/20 11:43:15
Instrument Used : Filtration/Foreign Material Microscope	

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 used for inspection.

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	0.1099g	07/09/20 06:07:15	574

Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 07/10/20 11:28:51
Analytical Batch -DA013831POT Instrument Used : DA-LC-003	Batch Date : 07/09/20 18:14:11

Reagent	Dilution	Consums. ID
032320.28	400	181019-274
070920.R20		280678841
070920.R19		918C4-918J
		914C4-914AK
		929C6-929H
		76262-590

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).

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Jorge Segredo  
Lab Director

State License # CMTL-0002  
ISO Accreditation # 97164

  
Signature

07/15/2020

Signed On



# Certificate of Analysis

**PASSED**
**Bardo Labs**

 2566 Pennsylvania Ave  
 Sayre, New York , 18840, United State  
**Telephone:** (516) 313-6443  
**Email:** erik@bardolabs.com

**Sample : DA00709012-001**
**Harvest/LOT ID: BL003-A**
**Batch# : BD6**
**Sampled : 07/06/20**
**Ordered : 07/06/20**
**Sample Size Received : 10 gram**
**Completed : 07/15/20 Expires: 07/15/21**
**Sample Method : SOP Client Method**

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRIDABEN	0.02	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBARYL	0.05	ppm	0.5	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DAMINOZIDE	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIAZANON	0.01	ppm	0.2	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	1	ND
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.01	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
METHYL PARATHION	0.005	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	3	ND					
NALED	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.1	ppm	3	ND					



## Pesticides

**PASSED**

<b>Analyzed by</b> 585 , 1665	<b>Weight</b> 1.0668g	<b>Extraction date</b> 07/09/20 01:07:25	<b>Extracted By</b> 1082 ,
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<b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070 <b>Analytical Batch</b> - DA013809PES , DA013863VOL <b>Instrument Used</b> : DA-LCMS-001_DER (PES) , DA-GCMS-007 <b>Batch Date</b> : 07/09/20 09:10:29	<b>Reviewed On</b> - 07/09/20 11:43:15
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Reagent	Dilution	Consums. ID
052720.01	10	280678841
070620.R21		76262-590
041720.01		
071020.R02		
071020.R03		

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS). \* Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.



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**Email:** erik@bardolabs.com

**Sample : DA00709012-001**
**Harvest/LOT ID: BL003-A**
**Batch# :** BD6

**Sampled :** 07/06/20

**Ordered :** 07/06/20

**Sample Size Received :** 10 gram

**Completed :** 07/15/20 **Expires:** 07/15/21

**Sample Method :** SOP Client Method

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	<b>Residual Solvents</b>	<b>PASSED</b>
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

	<b>Residual Solvents</b>	<b>PASSED</b>
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<b>Analyzed by</b> 850	<b>Weight</b> 0.0229g	<b>Extraction date</b> 07/09/20 11:07:10	<b>Extracted By</b> 357
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**Analysis Method -SOP.T.40.032**
**Analytical Batch -DA013821SOL**
**Instrument Used : DA-GCMS-002**
**Batch Date : 07/09/20 10:17:57**
**Reviewed On - 07/14/20 14:49:07**

Reagent	Dilution	Consums. ID
	1	H2017.077 00268767 24154107

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).



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**Sample : DA00709012-001**
**Harvest/LOT ID: BL003-A**
**Batch# :** BD6

**Sampled :** 07/06/20

**Ordered :** 07/06/20

**Sample Size Received :** 10 gram

**Completed :** 07/15/20 **Expires:** 07/15/21

**Sample Method :** SOP Client Method

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	<b>Microbials</b>	<b>PASSED</b>
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	<b>Mycotoxins</b>	<b>PASSED</b>
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**Analyte**

 ASPERGILLUS\_FLAVUS  
 ASPERGILLUS\_FUMIGATUS  
 ASPERGILLUS\_NIGER  
 ASPERGILLUS\_TERREUS  
 ESCHERICHIA\_COLI\_SHIGELLA\_SPP  
 SALMONELLA\_SPECIFIC\_GENE

**Result Analyte**

 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.  
 not present in 1 gram.

**LOD**
**Units**
**Result**
**Action Level (PPM)**

Result Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

**Analysis Method -SOP.T.40.043 / SOP.T.40.045**
**Analytical Batch -DA013802MIC Batch Date : 07/09/20**
**Instrument Used : PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-171**
**Analysis Method -SOP.T.30.065, SOP.T.40.065**
**Analytical Batch -DA013811MYC | Reviewed On - 07/14/20 16:53:00**
**Instrument Used : DA-LCMS-001\_DER (MYC)**
**Batch Date : 07/09/20 09:12:05**

Analyzed by	Weight	Extraction date	Extracted By
513	1.0870g	07/09/20	1082

Analyzed by	Weight	Extraction date	Extracted By
585	1g	07/09/20 05:07:44	585

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
062220.05	181019-274	19323	A07	2804025
101519.11	SG298A	190827060	2810012C	2808005
030620.12	181207119C	850C6-850H	027	
	918C4-918J	2802018	2811016	
	914C4-914AK	2803029	2807007	
	50AX30819	D003	2809004	

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.

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20ug/Kg.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Dilution	Consums. ID
030920.02	100	89401-566
070920.R01		
062520.R02		
022520.02		
030420.06		
070120.01		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
LEAD	0.05	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2535g	07/09/20 02:07:15	1022

**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -DA013804HEA | Reviewed On - 07/13/20 08:37:12**
**Instrument Used : DA-ICPMS-002**
**Batch Date : 07/09/20 08:51:07**

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.