



12423 NE Whitaker Way  
 Portland, OR 97230  
 503-254-1794

**Report Number:** 23-005008/D002.R000  
**Report Date:** 05/03/2023  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/25/23 12:45

**Customer:** USA Hemp  
**Product identity:** 6000mg Broad Spectrum TO60BRCO1202  
**Project Number:** FSLBR1202  
**Client/Metric ID:** Container Size: 60grams  
**Laboratory ID:** 23-005008-0001

### Summary

#### Potency:

Analyte per 60g	Result	Limits	Units	Status	
CBC per 60g	289		mg/60g		CBD-Total per Serving Size 7230 mg/60g
CBD per 60g	7200		mg/60g		
CBD-A per 60g	29.9		mg/60g		THC-Total per Serving Size 10.1 mg/60g
CBDV per 60g	35.8		mg/60g		
CBE per 60g	361		mg/60g		CBD-Total per Serving Size 120 mg/1g
CBG per 60g	109		mg/60g		
CBL per 60g	14.1		mg/60g		THC-Total per Serving Size 0.169 mg/1g
CBN per 60g	128		mg/60g		
CBT per 60g	110		mg/60g		
Δ9-THC per 60g	10.1		mg/60g		(Reported in milligrams per serving)
Analyte per 1g	Result	Limits	Units	Status	
CBC per 1g	4.82		mg/1g		
CBD per 1g	120		mg/1g		
CBD-A per 1g	0.499		mg/1g		
CBDV per 1g	0.597		mg/1g		
CBE per 1g	6.01		mg/1g		
CBG per 1g	1.82		mg/1g		
CBL per 1g	0.235		mg/1g		
CBN per 1g	2.13		mg/1g		
CBT per 1g	1.83		mg/1g		
Δ9-THC per 1g	0.169		mg/1g		

#### Residual Solvents:

All analytes passing and less than LOQ.

#### Pesticides:

All analytes passing and less than LOQ.

#### Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
a-Bisabolol	0.0923	65.93%	β-Caryophyllene	0.0253	18.07%
Humulene	0.0226	16.14%	<b>Total Terpenes</b>	<b>0.140</b>	<b>100.00%</b>



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**Metals:**

*Less than LOQ for all analytes.*



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**Customer:** USA Hemp  
**Product identity:** 6000mg Broad Spectrum TO60BRCO1202  
**Project Number:** FSLBR1202  
**Client/Metric ID:** Container Size: 60grams  
**Sample Date:**  
**Laboratory ID:** 23-005008-0001  
**Evidence of Cooling:** No  
**Temp:** 20.0  
**Relinquished by:** usps  
**Serving Size #1:** 60 g  
**Serving Size #2:** 1 g

### Sample Results

Potency per 60g		Method: J AOAC 2015 V98-6 (mod) <sup>b</sup>	Units mg/se	Batch: 2306791	Analyze: 4/27/23 12:05:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 60g	289		mg/60g	1.87	
CBC-A per 60g	< LOQ		mg/60g	1.87	
CBC-Total per 60g	289		mg/60g	3.52	
CBD per 60g	7200		mg/60g	187	
CBD-A per 60g	29.9		mg/60g	1.87	
CBD-Total per 60g	7230		mg/60g	189	
CBDV per 60g	35.8		mg/60g	1.87	
CBDV-A per 60g	< LOQ		mg/60g	1.87	
CBDV-Total per 60g	35.8		mg/60g	3.50	
CBE per 60g	361		mg/60g	1.87	
CBG per 60g	109		mg/60g	1.87	
CBG-A per 60g	< LOQ		mg/60g	1.87	
CBG-Total per 60g	109		mg/60g	3.50	
CBL per 60g	14.1		mg/60g	1.87	
CBL-A per 60g	< LOQ		mg/60g	1.87	
CBL-Total per 60g	14.1		mg/60g	3.52	
CBN per 60g	128		mg/60g	1.87	
CBT per 60g	110		mg/60g	1.87	
Δ8-THCV per 60g	< LOQ		mg/60g	1.87	
Δ10-THC-9R per 60g	< LOQ		mg/60g	1.87	
Δ10-THC-9S per 60g	< LOQ		mg/60g	1.87	
Δ10-THC-Total per 60g	< LOQ		mg/60g	3.75	
Δ8-THC per 60g	< LOQ		mg/60g	1.87	
Δ9-THC per 60g	10.1		mg/60g	1.87	
exo-THC per 60g	< LOQ		mg/60g	1.87	
THC-A per 60g	< LOQ		mg/60g	1.87	
THC-Total per 60g	10.1		mg/60g	3.52	
THCV per 60g	< LOQ		mg/60g	1.87	
THCV-A per 60g	< LOQ		mg/60g	1.87	
THCV-Total per 60g	< LOQ		mg/60g	3.52	



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Potency per 60g      **Method:** J AOAC 2015 V98-6 (mod)<sup>b</sup>      **Units** mg/se **Batch:** 2306791      **Analyze:** 4/27/23 12:05:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
Total Cannabinoids per 60g	8290		mg/60g		

Potency per 1g      **Method:** J AOAC 2015 V98-6 (mod)<sup>b</sup>      **Units** mg/se **Batch:** 2306791      **Analyze:** 4/27/23 12:05:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	4.82		mg/1g	0.0312	
CBC-A per 1g	< LOQ		mg/1g	0.0312	
CBC-Total per 1g	4.82		mg/1g	0.0586	
CBD per 1g	120		mg/1g	3.12	
CBD-A per 1g	0.499		mg/1g	0.0312	
CBD-Total per 1g	120		mg/1g	3.15	
CBDV per 1g	0.597		mg/1g	0.0312	
CBDV-A per 1g	< LOQ		mg/1g	0.0312	
CBDV-Total per 1g	0.597		mg/1g	0.0583	
CBE per 1g	6.01		mg/1g	0.0312	
CBG per 1g	1.82		mg/1g	0.0312	
CBG-A per 1g	< LOQ		mg/1g	0.0312	
CBG-Total per 1g	1.82		mg/1g	0.0583	
CBL per 1g	0.235		mg/1g	0.0312	
CBL-A per 1g	< LOQ		mg/1g	0.0312	
CBL-Total per 1g	0.235		mg/1g	0.0586	
CBN per 1g	2.13		mg/1g	0.0312	
CBT per 1g	1.83		mg/1g	0.0312	
Δ8-THCV per 1g	< LOQ		mg/1g	0.0312	
Δ10-THC-9R per 1g	< LOQ		mg/1g	0.0312	
Δ10-THC-9S per 1g	< LOQ		mg/1g	0.0312	
Δ8-THC per 1g	< LOQ		mg/1g	0.0312	
Δ9-THC per 1g	0.169		mg/1g	0.0312	
exo-THC per 1g	< LOQ		mg/1g	0.0312	
THC-A per 1g	< LOQ		mg/1g	0.0312	
THC-Total per 1g	0.169		mg/1g	0.0586	
THCV per 1g	< LOQ		mg/1g	0.0312	
THCV-A per 1g	< LOQ		mg/1g	0.0312	
THCV-Total per 1g	< LOQ		mg/1g	0.0586	
Total Cannabinoids per 1g	138		mg/1g		



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Solvents											Method: Residual Solvents by GC/MS <sup>b</sup>					Units $\mu\text{g/g}$	Batch 2306903	Analyze 05/02/23 09:50 AM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes											
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass												
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200													
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass												
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200													
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0													
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass												
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass												
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass												
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass												
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass												
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass												
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200													
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass												
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200													
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0													
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200													
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass												
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass												
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass												



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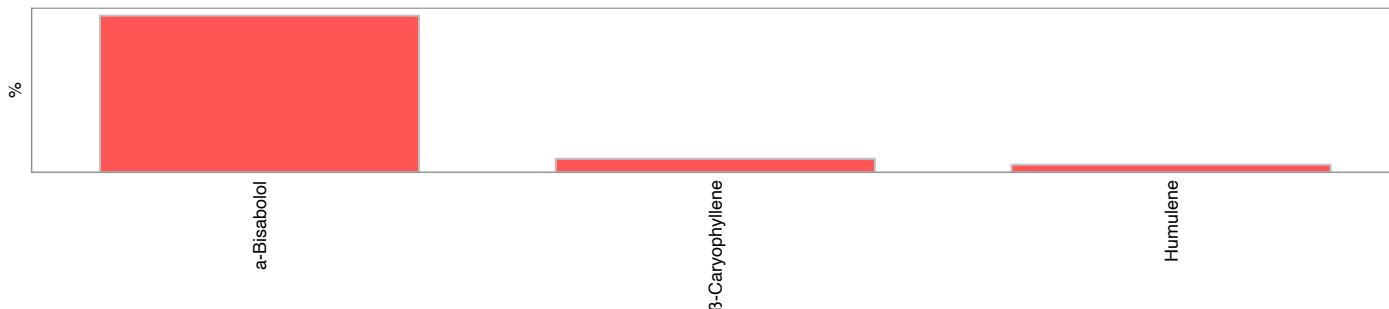
Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) <sup>b</sup>											
Units mg/kg Batch 2306806 Analyze 04/28/23 06:52 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>¥</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Acequinocyl <sup>¥</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>¥</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>¥</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>¥</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>¥</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>¥</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>¥</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>¥</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>¥</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>¥</sup>	< LOQ	0.40	0.200	pass		Etoazole <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>¥</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>¥</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>¥</sup>	< LOQ	1.0	0.400	pass	
Imazali <sup>¥</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>¥</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>¥</sup>	< LOQ	0.20	0.100	pass		Naled <sup>¥</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>¥</sup>	< LOQ	1.0	0.500	pass		Paclobotrazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>¥</sup>	< LOQ	0.20	0.100	pass		Permethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>¥</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>¥</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>¥</sup>	< LOQ	0.20	0.100	pass		Propiconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>¥</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I (total) <sup>¥</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>¥</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>¥</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>¥</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>¥</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>¥</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>¥</sup>	< LOQ	0.20	0.100	pass							



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Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2306784	Analyze 04/26/23 09:31 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
a-Bisabolol	0.0923	0.018	65.9286%		β-Caryophyllene	0.0253	0.018	18.0714%	
Humulene	0.0226	0.018	16.1429%		(-)-caryophyllene oxide	< LOQ	0.018	0.00%	
(-)-Guaiol	< LOQ	0.018	0.00%		(±)-trans-Nerolidol	< LOQ	0.018	0.00%	
Geraniol	< LOQ	0.018	0.00%		valencene	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol	< LOQ	0.018	0.00%		(+)-Borneol	< LOQ	0.018	0.00%	
(+)-Cedrol	< LOQ	0.018	0.00%		Eucalyptol	< LOQ	0.018	0.00%	
(-)-a-Terpineol	< LOQ	0.018	0.00%		nerol	< LOQ	0.018	0.00%	
(-)-Isopulegol	< LOQ	0.018	0.00%		(-)-β-Pinene	< LOQ	0.018	0.00%	
(+)-fenchol	< LOQ	0.018	0.00%		(+)-Pulegone	< LOQ	0.018	0.00%	
(±)-Camphor	< LOQ	0.018	0.00%		(±)-fenchone	< LOQ	0.018	0.00%	
(R)-(+)-Limonene	< LOQ	0.018	0.00%		a-cedrene	< LOQ	0.018	0.00%	
a-phellandrene	< LOQ	0.018	0.00%		a-pinene	< LOQ	0.018	0.00%	
a-Terpinene	< LOQ	0.018	0.00%		Camphene	< LOQ	0.018	0.00%	
cis-β-Ocimene	< LOQ	0.006	0.00%		d-3-Carene	< LOQ	0.018	0.00%	
farnesene	< LOQ	0.018	0.00%		gamma-Terpinene	< LOQ	0.018	0.00%	
Geranyl acetate	< LOQ	0.018	0.00%		Isoborneol	< LOQ	0.018	0.00%	
Linalool	< LOQ	0.018	0.00%		Menthol	< LOQ	0.018	0.00%	
p-Cymene	< LOQ	0.018	0.00%		Sabinene	< LOQ	0.018	0.00%	
Sabinene hydrate	< LOQ	0.018	0.00%		β-Myrcene	< LOQ	0.018	0.00%	
Terpinolene	< LOQ	0.018	0.00%		trans-β-Ocimene	< LOQ	0.012	0.00%	
<b>Total Terpenes</b>	<b>0.140</b>								



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Arsenic <sup>¥</sup>	< LOQ	0.200	mg/kg	0.0895	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Cadmium <sup>¥</sup>	< LOQ	0.200	mg/kg	0.0895	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Lead <sup>¥</sup>	< LOQ	0.500	mg/kg	0.0895	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	
Mercury <sup>¥</sup>	< LOQ	0.100	mg/kg	0.0447	2306795	04/27/23 AOAC 2013.06 (mod.) <sup>Þ</sup>	pass	



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

<sup>p</sup> = ISO/IEC 17025:2017 accredited method.

<sup>¥</sup> = TNI accredited analyte.

**Units of Measure**

g = g

$\mu\text{g/g}$  = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/60g = Milligram per 60g

mg/1g = Milligram per 1g

% = Percentage of sample

% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager