



**GREEN  
ELEMENT**

North Slope Brands  
PO Box 1588  
Cottage Grove, OR 97424  
Ph: (541) 649-2149  
Fax: (541) 649-2159  
Email: [sales@northslopebrands.com](mailto:sales@northslopebrands.com)  
Website: [www.greenelementcbd.com](http://www.greenelementcbd.com)

**PRODUCT BATCH SUMMARY**

Product Name: Bark Balm  
Batch#: 2206B32/42  
Manufacture Date: 12/30/22  
Expiration Date: 12/30/25

**THIRD PARTY PRODUCT POTENCY LAB RESULTS**

	<b>1oz Tin`</b>	<b>2oz Jar</b>		
Labelled Content:	200mg	400mg	Third Party Lab:	Green Leaf Labs
Tested CBD:	289.3	578.6	Test ID#:	5026232
Tested THC:	6.6	13.2		
Tested CBG:	LOQ	LOQ		
Tested Content:	295.9	591.8		

**THIRD PARTY CONCENTRATE CONTAMINANT LAB RESULTS**

	Pesticides	Residual Solvents	Heavy Metals	Mycotoxins
Result:	PASS	PASS	<LOQ	<LOQ
Third Party Lab:	Green Leaf Labs	Green Leaf Labs	Green Leaf Labs	Green Leaf Labs
Test ID#:	5021194	5021194	5021309	5021309

**NOTE**

All contaminant testing is performed on concentrated extracts prior to formulation in order to maximize sensitivity of the test. For accuracy, microbial contaminant testing is performed on unrefined crude extract in order to verify quality of input materials prior to distillation. All other contaminant tests are performed both on unrefined crude extract as well as post distillation extract, prior to formulation. This allows us to look for contamination prior to the extracts dilution into finished products.

Final product testing is to verify potency after dilution resulting from product formulation.

All referenced lab reports are attached



### 2206B32/42

Sample ID: G2L0381-01

Matrix: Hemp Products

Test ID: 5026232

Source ID:

Date Sampled: 12/30/22

Date Accepted: 12/30/22

Batch Lot ID: 2206D02

**North Slope Brands**  
info@northslopebrands.com

### Results at a Glance

Total THC : 0.0320 %

Total CBD : 1.411 %



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Eric Wendt  
Chief Science Officer - 1/3/2023

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### 2206B32/42

Sample ID: G2L0381-01

Matrix: Hemp Products

Test ID: 5026232

Source ID:

Date Sampled: 12/30/22

Date Accepted: 12/30/22

Batch Lot ID: 2206D02

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### Potency Analysis

Date/Time Extracted: 12/31/22 10:26

Analysis Method/SOP: 215

Batch Identification: 2253054

Cannabinoids	LOQ (%)	mg/g	Cannabinoids Profile
Total THC	0.0020	0.32	<p>A 3D pie chart titled 'Cannabinoids Profile' showing the distribution of cannabinoids. The chart is dominated by a large green slice representing CBD at 1.4 mg/g. A very thin yellow slice represents delta 9-THC at 0.0 mg/g. A legend on the right side of the chart lists: delta 9-THC 0.0, CBD 1.4, and Total: 1.4.</p>
Total CBD	0.0020	14.11	
THCA	0.0020	< LOQ	
delta 9-THC	0.0020	0.32	
delta 8-THC	0.0774	< LOQ	
THCV	0.0604	< LOQ	
THCVA	0.0904	< LOQ	
CBD	0.0020	14.11	
CBDA	0.0020	< LOQ	
CBDV	0.0622	< LOQ	
CBDVA	0.0854	< LOQ	
CBN	0.0558	< LOQ	
CBG	0.0649	< LOQ	
CBGA	0.0861	< LOQ	
CBC	0.0815	< LOQ	

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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### Quality Control Potency

Batch: 2253054 - 215-Products

Blank(2253054-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0040	%		12/31/22 10:26	12/31/22 15:14	
delta 9-THC	< LOQ	0.0040	%		12/31/22 10:26	12/31/22 15:14	
delta 8-THC	< LOQ	0.1550	%		12/31/22 10:26	12/31/22 15:14	
THCV	< LOQ	0.1210	%		12/31/22 10:26	12/31/22 15:14	
THCVA	< LOQ	0.1810	%		12/31/22 10:26	12/31/22 15:14	
CBD	< LOQ	0.0040	%		12/31/22 10:26	12/31/22 15:14	
CBDA	< LOQ	0.0040	%		12/31/22 10:26	12/31/22 15:14	
CBDV	< LOQ	0.1245	%		12/31/22 10:26	12/31/22 15:14	
CBDVA	< LOQ	0.1709	%		12/31/22 10:26	12/31/22 15:14	
CBN	< LOQ	0.1118	%		12/31/22 10:26	12/31/22 15:14	
CBG	< LOQ	0.1300	%		12/31/22 10:26	12/31/22 15:14	
CBGA	< LOQ	0.1723	%		12/31/22 10:26	12/31/22 15:14	
CBC	< LOQ	0.1631	%		12/31/22 10:26	12/31/22 15:14	

Reference(2253054-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	97.0	0.0101	%	90-110	12/31/22 10:26	12/31/22 15:37	
delta 9-THC	106	0.0101	%	90-110	12/31/22 10:26	12/31/22 15:37	
delta 8-THC	98.2	0.3863	%	90-110	12/31/22 10:26	12/31/22 15:37	
CBD	104	0.0101	%	90-110	12/31/22 10:26	12/31/22 15:37	
CBDA	104	0.0101	%	90-110	12/31/22 10:26	12/31/22 15:37	



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### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to ORELAP-SOP-001 and ORELAP-SOP-002 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
  - BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
  - BLK Analyte detected in method blank, but not associated samples.
  - BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
  - BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
  - C Interference due to co-elution
  - CBD Interference due to co-elution
  - CV1 CBD matrix interference on GC Pest chromatography
  - CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
  - INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
  - ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
  - ISL Internal Standard concentration is above acceptance criteria.
  - MSH Internal Standard concentration is below acceptance criteria.
  - MSI Matrix Spike High - Matrix Spike recovery above method limits.
  - MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
  - TPP
  - U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- Internal Standard concentration outside control limit due to matrix interference



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**2206D01**

Sample ID: G2E0344-01

Matrix: Hemp Extracts &

Test ID: 5021194

Source ID:

Date Sampled: 05/24/22

Date Accepted: 05/24/22

**North Slope Brands**  
info@northslopebrands.com

### Results at a Glance

Total THC : 4.134 %

Total CBD : 72.60 %

Pesticides : PASS

Residual Solvent Analysis : PASS



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Chief Science Officer - 5/27/2022



**2206D01**

Sample ID: G2E0344-01

Matrix: Hemp Extracts &

Test ID: 5021194

Source ID:

Date Sampled: 05/24/22

Date Accepted: 05/24/22

**North Slope Brands**  
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### Potency Analysis

Date/Time Extracted: 05/25/22 10:53

Analysis Method/SOP: 215

Batch Identification: 2222019

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile										
Total THC	0.1577	4.134	41.34	<table border="1"> <tr><td>delta 9-THC</td><td>4.1</td></tr> <tr><td>CBD</td><td>72.6</td></tr> <tr><td>CBG</td><td>6.8</td></tr> <tr><td>CBC</td><td>1.6</td></tr> <tr><td>Total:</td><td>85.1</td></tr> </table>	delta 9-THC	4.1	CBD	72.6	CBG	6.8	CBC	1.6	Total:	85.1
delta 9-THC	4.1													
CBD	72.6													
CBG	6.8													
CBC	1.6													
Total:	85.1													
Total CBD	0.0431	72.60	726											
THCA	0.0005	< LOQ	< LOQ											
delta 9-THC	0.0005	4.134	41.34											
delta 8-THC	0.0934	< LOQ	< LOQ											
THCV	0.1052	< LOQ	< LOQ											
THCVA	0.0392	< LOQ	< LOQ											
CBD	0.0005	72.60	726											
CBDA	0.0005	< LOQ	< LOQ											
CBDV	0.1040	< LOQ	< LOQ											
CBDVA	0.0341	< LOQ	< LOQ											
CBN	0.0622	< LOQ	< LOQ											
CBG	0.0164	6.802	68.02											
CBGA	0.0164	< LOQ	< LOQ											
CBC	0.0186	1.582	15.82											
<b>Total Cannabinoids</b>		<b>85.13</b>	<b>851.3</b>											

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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**2206D01**

Sample ID: G2E0344-01

Matrix: Hemp Extracts &

Test ID: 5021194

Source ID:

Date Sampled: 05/24/22

Date Accepted: 05/24/22

**North Slope Brands**  
info@northslopebrands.com

### Pesticide Analysis in ppm

Date/Time Extracted: 05/25/22 12:33

Analysis Method/SOP: 202

Analyte	Result	Action Level	LOD	LOQ	Units	Notes	Analyte	Result	Action Level	LOD	LOQ	Units	Notes
Abamectin	< LOQ	0.5		0.09	ppm		Acephate	< LOQ	0.4		0.09	ppm	
Acequinocyl	< LOQ	2		0.4	ppm		Acetamidrid	< LOQ	0.2		0.09	ppm	
Aldicarb	< LOQ	0.4		0.09	ppm		Azoxystrobin	< LOQ	0.2		0.09	ppm	
Bifenazate	< LOQ	0.2		0.09	ppm		Bifenthrin	< LOQ	0.2		0.09	ppm	
Boscalid	< LOQ	0.4		0.09	ppm		Carbaryl	< LOQ	0.2		0.09	ppm	
Carbofuran	< LOQ	0.2		0.09	ppm		Chlorantraniliprole	< LOQ	0.2		0.09	ppm	
Chlorfenapyr	< LOQ	1		0.09	ppm		Chlorpyrifos	0.1	0.2		0.09	ppm	
Clofentezine	< LOQ	0.2		0.09	ppm		Cyfluthrin	< LOQ	1		0.4	ppm	
Cypermethrin	< LOQ	1		0.4	ppm		Daminozide	< LOQ	1		0.4	ppm	
DDVP (Dichlorvos)	< LOQ	1		0.09	ppm		Diazinon	< LOQ	0.2		0.09	ppm	
Dimethoate	< LOQ	0.2		0.09	ppm		Ethoprophos	< LOQ	0.2		0.09	ppm	
Etofenprox	< LOQ	0.4		0.09	ppm		Etoxazole	< LOQ	0.2		0.09	ppm	
Fenoxycarb	< LOQ	0.2		0.09	ppm		Fenpyroximate	< LOQ	0.4		0.09	ppm	
Fipronil	< LOQ	0.4		0.09	ppm		Fonicamid	< LOQ	1		0.09	ppm	
Fludioxonil	< LOQ	0.4		0.09	ppm		Hexythiazox	< LOQ	1		0.09	ppm	
Imazalil	< LOQ	0.2		0.09	ppm		Imidacloprid	< LOQ	0.4		0.09	ppm	
Kresoxim-methyl	< LOQ	0.4		0.09	ppm		Malathion	< LOQ	0.2		0.09	ppm	
Metalaxyl	< LOQ	0.2		0.09	ppm		Methiocarb	< LOQ	0.2		0.09	ppm	
Methomyl	< LOQ	0.4		0.09	ppm		Methyl parathion	< LOQ	0.2		0.09	ppm	
MGK-264	< LOQ	0.2		0.09	ppm		Myclobutanil	< LOQ	0.2		0.09	ppm	
Naled	< LOQ	0.5		0.09	ppm		Oxamyl	< LOQ	1		0.09	ppm	
Paclobutrazol	< LOQ	0.4		0.09	ppm		Permethrins	< LOQ	0.2		0.09	ppm	
Phosmet	< LOQ	0.2		0.09	ppm		Piperonyl butoxide	< LOQ	2		0.8	ppm	
Prallethrin	< LOQ	0.2		0.09	ppm		Propiconazole	< LOQ	0.4		0.09	ppm	
Propoxur	< LOQ	0.2		0.09	ppm		Pyrethrins	< LOQ	1		0.4	ppm	
Pyridaben	< LOQ	0.2		0.09	ppm		Spinosad	< LOQ	0.2		0.09	ppm	
Spiromesifen	< LOQ	0.2		0.09	ppm		Spirotetramat	< LOQ	0.2		0.09	ppm	
Spiroxamine	< LOQ	0.4		0.09	ppm		Tebuconazole	< LOQ	0.4		0.09	ppm	
Thiacloprid	< LOQ	0.2		0.09	ppm		Thiamethoxam	< LOQ	0.2		0.09	ppm	
Trifloxystrobin	< LOQ	0.2		0.09	ppm								

ND - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Chief Science Officer - 5/27/2022

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**2206D01**

**Sample ID: G2E0344-01**

**Matrix: Hemp Extracts &**

**Test ID: 5021194**

**Source ID:**

**Date Sampled: 05/24/22**

**Date Accepted: 05/24/22**

**North Slope Brands**  
info@northslopebrands.com

### Residual Solvents

**Date/Time Extracted: 05/25/22 15:31**

**Analysis Method/SOP: 205**

Analyte	Result	Action Level	LOD	LOQ	Units	Notes
1,4-Dioxane	< LOQ	380		50.00	ppm	
2-Butanol	< LOQ	5000		1000	ppm	
2-Ethoxyethanol	< LOQ	160		80.00	ppm	
2-Propanol (IPA)	< LOQ	5000		1000	ppm	
Acetone	< LOQ	5000		1000	ppm	
Acetonitrile	< LOQ	410		50.00	ppm	
Benzene	< LOQ	2		1.000	ppm	
Butanes	< LOQ	5000		1000	ppm	
Cumene	< LOQ	70		35.00	ppm	
Cyclohexane	< LOQ	3880		50.00	ppm	
Dichloromethane	< LOQ	600		50.00	ppm	
Ethyl acetate	< LOQ	5000		1000	ppm	
Ethyl benzene	< LOQ	2170		35.00	ppm	
Ethyl ether	< LOQ	5000		1000	ppm	
Ethylene glycol	< LOQ	620		310.0	ppm	
Ethylene oxide	< LOQ	50		25.00	ppm	
Heptane	< LOQ	5000		1000	ppm	
Hexanes	< LOQ	290		50.00	ppm	
Isopropyl acetate	< LOQ	5000		1000	ppm	
Methanol	< LOQ	3000		1000	ppm	
Pentanes	< LOQ	5000		1000	ppm	
Propane	< LOQ	5000		1000	ppm	
Tetrahydrofuran	< LOQ	720		50.00	ppm	
Toluene	< LOQ	890		50.00	ppm	
Xylenes	< LOQ	2170		50.00	ppm	

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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### Quality Control Potency

Batch: 2222019 - 215-Concentrates

Blank(2222019-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		05/25/22 10:53	05/25/22 18:31	
delta 9-THC	< LOQ	0.0005	%		05/25/22 10:53	05/25/22 18:31	
delta 8-THC	< LOQ	0.0934	%		05/25/22 10:53	05/25/22 18:31	
THCV	< LOQ	0.1052	%		05/25/22 10:53	05/25/22 18:31	
THCVA	< LOQ	0.0392	%		05/25/22 10:53	05/25/22 18:31	
CBD	< LOQ	0.0005	%		05/25/22 10:53	05/25/22 18:31	
CBDA	< LOQ	0.0005	%		05/25/22 10:53	05/25/22 18:31	
CBDV	< LOQ	0.1040	%		05/25/22 10:53	05/25/22 18:31	
CBDVA	< LOQ	0.0341	%		05/25/22 10:53	05/25/22 18:31	
CBN	< LOQ	0.0622	%		05/25/22 10:53	05/25/22 18:31	
CBG	< LOQ	0.0164	%		05/25/22 10:53	05/25/22 18:31	
CBGA	< LOQ	0.0164	%		05/25/22 10:53	05/25/22 18:31	
CBC	< LOQ	0.0186	%		05/25/22 10:53	05/25/22 18:31	

Reference(2222019-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	98.9	0.0001	%	90-110	05/25/22 10:53	05/25/22 18:54	
delta 9-THC	109	0.0001	%	90-110	05/25/22 10:53	05/25/22 18:54	
delta 8-THC	107	0.0230	%	90-110	05/25/22 10:53	05/25/22 18:54	
CBD	94.8	0.0001	%	90-110	05/25/22 10:53	05/25/22 18:54	
CBDA	93.6	0.0001	%	90-110	05/25/22 10:53	05/25/22 18:54	

### Pesticide Analysis

Batch: 2222022 - 202

Blank(2222022-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Acephate	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Acequinocyl	< LOQ	0.5	ppm		05/25/22 12:31	05/25/22 18:07	
Acetamiprid	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Aldicarb	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Azoxystrobin	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Bifenazate	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Bifenthrin	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Boscalid	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Carbaryl	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Carbofuran	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Chlorantraniliprole	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Chlorfenapyr	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	



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### Quality Control Pesticide Analysis (Continued)

Batch: 2222022 - 202 (Continued)

Blank(2222022-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Chlorpyrifos	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Clofentezine	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Daminozide	< LOQ	0.5	ppm		05/25/22 12:31	05/25/22 18:07	
Cyfluthrin	< LOQ	0.5	ppm		05/25/22 12:31	05/25/22 18:46	
Diazinon	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Cypermethrin	< LOQ	0.5	ppm		05/25/22 12:31	05/25/22 18:46	
Dimethoate	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Ethoprophos	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Etofenprox	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Etoxazole	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Fenoxycarb	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Fenpyroximate	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Fonicamid	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Hexythiazox	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Imazalil	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Fipronil	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Imidacloprid	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Fludioxonil	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Metalaxyl	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Methiocarb	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Methomyl	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Myclobutanil	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Kresoxim-methyl	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Naled	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Malathion	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Oxamyl	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Paclobutrazol	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Methyl parathion	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
MGK-264	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Phosmet	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Piperonyl butoxide	< LOQ	0.9	ppm		05/25/22 12:31	05/25/22 18:07	
Prallethrin	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Propoxur	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Permethrins	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Pyrethrins	< LOQ	0.5	ppm		05/25/22 12:31	05/25/22 18:07	
Pyridaben	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Propiconazole	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:46	
Spinosad	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	



Eric Wendt  
Chief Science Officer - 5/27/2022



### 2206D01

Sample ID: G2F0108-01

Matrix: Hemp Extracts &

Test ID: 5021309

Source ID:

Date Sampled: 06/08/22

Date Accepted: 06/08/22

Batch Lot ID: 2206C01

**North Slope Brands**  
info@northslopebrands.com

### Results at a Glance

**METALS : PASS**

**Mycotoxins : PASS**



**ISO 17025  
ACCREDITED  
LABORATORY**

Eric Wendt  
Chief Science Officer - 6/13/2022



### 2206D01

Sample ID: G2F0108-01

Matrix: Hemp Extracts &

Test ID: 5021309

Source ID:

Date Sampled: 06/08/22

Date Accepted: 06/08/22

Batch Lot ID: 2206C01

**North Slope Brands**  
info@northslopebrands.com

### Metals Analysis by ICPMS

Date/Time Extracted: 06/11/22 09:53

Analysis Method/SOP: HM-001

Analyte	Result	LOD	LOQ	Units
Arsenic	< LOQ	0.0110	0.0500	ug/g
Cadmium	< LOQ	0.00100	0.0500	ug/g
Lead	< LOQ	0.00150	0.0500	ug/g
Mercury	< LOQ	0.00350	0.0100	ug/g

Metal analyses are not accredited to ORELAP TNI 2009 Quality Standards.  
<LOQ - Results below the Limit of Quantitation - Compound not detected

Analysis Subcontracted to Green Leaf Labs - SCCA.



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Chief Science Officer - 6/13/2022

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### 2206D01

Sample ID: G2F0108-01

Matrix: Hemp Extracts &

Test ID: 5021309

Source ID:

Date Sampled: 06/08/22

Date Accepted: 06/08/22

Batch Lot ID: 2206C01

**North Slope Brands**  
info@northslopebrands.com

### Mycotoxins by LCMSMS

Date/Time Extracted: 06/11/22 09:55

Analysis Method/SOP: RP-001

Analyte	Result	LOD	LOQ	Units
aflatoxin B1	< LOQ	1.99	4.96	ug/kg
aflatoxin B2	< LOQ	0.993	4.96	ug/kg
aflatoxin G1	< LOQ	0.993	4.96	ug/kg
aflatoxin G2	< LOQ	2.48	4.96	ug/kg
Ochratoxin A	< LOQ	9.93	12.4	ug/kg
Total Aflatoxins	< LOQ	0.993	4.96	ug/kg

Analysis Subcontracted to Green Leaf Labs - SCCA.

<LOQ - Results below the Limit of Quantitation

Results above the Action Level fail state testing requirements and will be highlighted **Red**.



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Chief Science Officer - 6/13/2022



### Quality Control Metals Analysis

#### Batch: 2224076 - Metals

Blank(2224076-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	< LOQ	0.0500	ug/g		06/11/22 09:53	06/11/22 15:08	
Lead	< LOQ	0.0500	ug/g		06/11/22 09:53	06/11/22 15:08	
Arsenic	< LOQ	0.0500	ug/g		06/11/22 09:53	06/11/22 15:08	
Mercury	< LOQ	0.0100	ug/g		06/11/22 09:53	06/11/22 15:08	

LCS(2224076-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cadmium	84.5	0.0500	ug/g	70-130	06/11/22 09:53	06/11/22 15:10	
Lead	81.7	0.0500	ug/g	70-130	06/11/22 09:53	06/11/22 15:10	
Arsenic	96.3	0.0500	ug/g	70-130	06/11/22 09:53	06/11/22 15:10	
Mercury	80.0	0.0100	ug/g	70-130	06/11/22 09:53	06/11/22 15:10	

#### Batch: 2224077 - Pest

Blank(2224077-BLK3)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	< LOQ	4.94	ug/kg		06/11/22 09:55	06/11/22 16:11	
aflatoxin B2	< LOQ	4.94	ug/kg		06/11/22 09:55	06/11/22 16:11	
aflatoxin G1	< LOQ	4.94	ug/kg		06/11/22 09:55	06/11/22 16:11	
aflatoxin G2	< LOQ	4.94	ug/kg		06/11/22 09:55	06/11/22 16:11	
Ochratoxin A	< LOQ	12.3	ug/kg		06/11/22 09:55	06/11/22 16:11	

LCS(2224077-BS3)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
aflatoxin B1	118	4.97	ug/kg	70-130	06/11/22 09:55	06/11/22 16:22	
aflatoxin B2	120	4.97	ug/kg	70-130	06/11/22 09:55	06/11/22 16:22	
aflatoxin G1	107	4.97	ug/kg	70-130	06/11/22 09:55	06/11/22 16:22	
aflatoxin G2	100	4.97	ug/kg	70-130	06/11/22 09:55	06/11/22 16:22	
Ochratoxin A	104	12.4	ug/kg	70-130	06/11/22 09:55	06/11/22 16:22	



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Quality Control samples were tested as received.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
  - BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
  - BLK Analyte detected in method blank, but not associated samples.
  - BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
  - BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
  - C Interference due to co-elution
  - CBD Interference due to co-elution
  - CV1 CBD matrix interference on GC Pest chromatography
  - CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
  - INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
  - ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
  - ISL Internal Standard concentration is above acceptance criteria.
  - MSH Internal Standard concentration is below acceptance criteria.
  - MSI Matrix Spike High - Matrix Spike recovery above method limits.
  - MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
  - TPP
  - U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- Internal Standard concentration outside control limit due to matrix interference



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### Quality Control Pesticide Analysis (Continued)

Batch: 2222022 - 202 (Continued)

Blank(2222022-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Spiromesifen	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Spirotetramat	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Spiroxamine	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Tebuconazole	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Thiacloprid	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Thiamethoxam	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
Trifloxystrobin	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	
DDVP (Dichlorvos)	< LOQ	0.1	ppm		05/25/22 12:31	05/25/22 18:07	

LCS(2222022-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	88.0	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Acephate	91.7	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Acequinocyl	79.2	0.5	ppm	40-160	05/25/22 12:31	05/25/22 18:30	
Acetamiprid	96.9	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Aldicarb	98.1	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Azoxystrobin	91.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Bifenazate	94.5	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Bifenthrin	86.0	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Boscalid	78.1	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	
Carbaryl	90.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Carbofuran	95.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Chlorantraniliprole	108	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Chlorfenapyr	169	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	BSH
Chlorpyrifos	88.3	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Clofentezine	108	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Daminozide	619	0.5	ppm	60-120	05/25/22 12:31	05/25/22 18:30	BSH
Cyfluthrin	82.7	0.5	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
Diazinon	91.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Cypermethrin	94.1	0.5	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
Dimethoate	97.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Ethoprophos	98.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Etofenprox	84.6	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Etoxazole	91.7	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Fenoxycarb	91.9	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Fenpyroximate	94.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Flonicamid	117	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Hexythiazox	91.1	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Imazalil	92.0	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	



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### Quality Control Pesticide Analysis (Continued)

Batch: 2222022 - 202 (Continued)

LCS(2222022-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Fipronil	109	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	
Imidacloprid	117	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Fludioxonil	91.4	0.1	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
Metalaxyl	90.5	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Methiocarb	92.3	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Methomyl	96.9	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Myclobutanil	89.8	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Kresoxim-methyl	101	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	
Naled	108	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Malathion	122	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	BSH
Oxamyl	101	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Paclobutrazol	91.2	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Methyl parathion	132	0.1	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
MGK-264	107	0.1	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
Phosmet	95.8	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Piperonyl butoxide	74.5	0.9	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Prallethrin	95.6	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Propoxur	96.7	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Permethrins	84.7	0.1	ppm	50-150	05/25/22 12:31	05/25/22 19:09	
Pyrethrins	117	0.5	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Pyridaben	92.1	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Propiconazole	94.6	0.1	ppm	60-120	05/25/22 12:31	05/25/22 19:09	
Spinosad	90.3	0.1	ppm	50-150	05/25/22 12:31	05/25/22 18:30	
Spiromesifen	94.1	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Spirotetramat	97.4	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Spiroxamine	74.2	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Tebuconazole	90.6	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Thiacloprid	100	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Thiamethoxam	108	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
Trifloxystrobin	94.4	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	
DDVP (Dichlorvos)	97.3	0.1	ppm	60-120	05/25/22 12:31	05/25/22 18:30	

### Solvent Analysis

Batch: 2222027 - 205

Blank(2222027-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Acetonitrile	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	



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### Quality Control Solvent Analysis (Continued)

Batch: 2222027 - 205 (Continued)

Blank(2222027-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Benzene	< LOQ	1.000	ppm		05/25/22 15:31	05/26/22 03:34	
Butanes	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
2-Butanol	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Cumene	< LOQ	35.00	ppm		05/25/22 15:31	05/26/22 03:34	
Cyclohexane	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
Dichloromethane	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
1,4-Dioxane	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
2-Ethoxyethanol	< LOQ	80.00	ppm		05/25/22 15:31	05/26/22 03:34	
Ethyl acetate	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Ethyl benzene	< LOQ	35.00	ppm		05/25/22 15:31	05/26/22 03:34	
Ethylene glycol	< LOQ	310.0	ppm		05/25/22 15:31	05/26/22 03:34	
Ethylene oxide	< LOQ	25.00	ppm		05/25/22 15:31	05/26/22 03:34	
Ethyl ether	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Heptane	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Hexanes	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
Isopropyl acetate	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Methanol	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Pentanes	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Propane	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
2-Propanol (IPA)	< LOQ	1000	ppm		05/25/22 15:31	05/26/22 03:34	
Tetrahydrofuran	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
Toluene	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	
Xylenes	< LOQ	50.00	ppm		05/25/22 15:31	05/26/22 03:34	

LCS(2222027-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Acetone	65.9	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Acetonitrile	70.0	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Benzene	62.6	1.000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Butanes	71.6	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
2-Butanol	69.6	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Cumene	63.5	35.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Cyclohexane	63.1	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Dichloromethane	70.3	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
1,4-Dioxane	60.5	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
2-Ethoxyethanol	74.8	80.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Ethyl acetate	63.9	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Ethyl benzene	63.2	35.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Ethylene glycol	108	310.0	ppm	60-120	05/25/22 15:31	05/26/22 00:41	



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### Quality Control Solvent Analysis (Continued)

Batch: 2222027 - 205 (Continued)

LCS(2222027-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Ethylene oxide	70.1	25.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Ethyl ether	66.5	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Heptane	71.6	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Hexanes	66.2	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Isopropyl acetate	64.9	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Methanol	100	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Pentanes	70.3	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Propane	68.2	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
2-Propanol (IPA)	73.4	1000	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Tetrahydrofuran	71.8	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	
Toluene	61.5	50.00	ppm	60-120	05/25/22 15:31	05/26/22 00:41	



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- C CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- TPP
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.  
Internal Standard concentration outside control limit due to matrix interference



Eric Wendt  
Chief Science Officer - 5/27/2022

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