

# California Title 16 Certificate of Analysis- Regulatory Compliance Testing

**Distributor Name:** JAPOW, LLC  
**Distributor Address:** 5560 West End Road Suite 8, Arcata, CA 95521  
**Distributor License #:** C11-0001215-LIC  
**Producer Name:** Emerald Triangle Management Group  
**Producer Address:** 5550 West End Road Suite 9,10,11,14,15 Arcata, CA 95521  
**Producer License #:** CDPH-10002484  
**Date Sampled:** 5/20/2022  
**Date Received:** 5/20/2022  
**Date Tested:** 5/23-5/26/2022  
**Date Reported:** 5/26/2022

**Sample Name:** HUMBOLDT JACK  
**Sample Batch I.D.:** NDUR000360HJ  
**Lab Sample I.D.:** BXT-TNL0006-1  
**Batch Size:** 500 u  
**Sample Size:** 13 u  
**Sample Type:** Concentrate  
**QC Batches:** PA17890,892,893,894,895,896,898,899  
**Tests Performed:** Cannabinoids, RSA, Pesticides, Terpenes, Micro (S,E,A), Filth and Foreign Material, Mycotoxins, Heavy Metals

Results Summary:		Microbiology Analysis:		
Item	Report Status	Analysis Date	Analysis	PASS/ FAIL
Overall Sample	PASS	5/23-5/26/2022	E. coli	PASS
Cannabinoids	PASS	5/24-5/26/2022	Salmonella	PASS
Pesticides	PASS	5/24-5/26/2022	Aspergillus	PASS
Residual Solvent	PASS	5/23-5/25/2022	nigers	PASS
Moisture	NT	NT	terreus	PASS
Microbiological Contamination	PASS	5/24-5/26/2022	flavus	PASS
Filth & Foreign	PASS	5/23/2022	fumigatus	PASS
Mycotoxins	PASS	5/24-5/26/2022	<i>Methods: Aspergillus, Standard Methods; Total Coliform/E.coli- AOAC 991.14; Aspergillus Salmonella- OMA 2014.01</i>	
Heavy Metals	PASS	5/24-5/26/2022		
Water Activity	NT	NT		
Terpenes	PASS	5/24-5/26/2022		

Cannabinoid Analysis: LOD: 0.02mg/g; LOQ: 0.1 mg/g									
THC	THCA	d-8 THC	CBD	CBDA	CBN	CBG	Total THC*	Total CBD*	Total Cann.
% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.	% wt.
1.52%	96.43%	0.11%	ND	ND	ND	ND	86.09%	ND	86.09%
mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g	mg/g
15.20	964.34	1.11	ND	ND	ND	ND	860.92	ND	860.92
mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

*Flowers Reported on % DRY WT. Basis.*  
 \* Total THC= (THCA\* 0.877) + THC + d-8 THC; Total CBD= (CBDA\* 0.877) + (CBD)  
 Method: Extraction by Methanol, IPA, Acetonitrile or Ethanol with sonication and analysis by HPLC-DAD

	THC	Total THC	CBD	Total CBD
Cannabinoid Content Per Package (mg)	15.20	860.92	ND	ND
Cannabinoid Content Per Serving (mg)	NA	NA	NA	NA

**Residual Solvent:**  
 Method: Full Evaporation Technique by GC-MS-MS

CA CATEGORY 1 Compound	(ug/ g)	Inhal. Action Lim. (ug/ g)	Other Action Lim. (ug/ g)	PASS/ FAIL	LOQ (ug/ g)	LOD (ug/ g)	NOTES:
1,2-Dichloroethane	ND	1.0	1.0	PASS	1.00	0.80	
Benzene	ND	1.0	1.0	PASS	1.00	0.20	
Chloroform	ND	1.0	1.0	PASS	1.00	0.20	
Ethylene Oxide	ND	1.0	1.0	PASS	1.00	0.80	
Methylene chloride	ND	1.0	1.0	PASS	1.00	0.80	
Trichloroethylene	ND	1.0	1.0	PASS	1.00	0.20	

**Density:** NT g/ mL

**Heavy Metals:**  
 Method: Acid digestion in heated block. Analysis using AA-graphite furnace, atomic fluorescence spectroscopy, atomic absorption decomposition analysis

Compound	(ug/ g)	Inhal. Action Lim. (ug/ g)	Other Action Lim. (ug/ g)	PASS/ FAIL	LOQ (ug/ g)	LOD (ug/ g)	NOTES:
Mercury	< LOQ	0.1	3	PASS	0.03	0.006	
Lead	0.221	0.5	0.5	PASS	0.10	0.02	
Cadmium	ND	0.2	0.5	PASS	0.02	0.004	
Arsenic	ND	0.2	1.5	PASS	0.10	0.04	

**CA CATEGORY 2**

Compound	(ug/ g)	Inhal. Action Lim. (ug/ g)	Other Action Lim. (ug/ g)	PASS/ FAIL	LOQ (ug/ g)	LOD (ug/ g)	NOTES:
n-Butane	ND	5000	5000	PASS	1000.0	500.0	
n-Pentane	ND	5000	5000	PASS	1000.0	500.0	
Acetone	ND	5000	5000	PASS	1000.0	500.0	
Ethanol*	ND	5000	5000	PASS	1000.0	500.0	
n-Hexane	ND	290	290	PASS	2.0	0.5	
Methanol	ND	3000	3000	PASS	1000.0	500.0	
2-Propanol**	ND	5000	5000	PASS	1000.0	500.0	
Acetonitrile	ND	410	410	PASS	5.0	1.0	
Ethyl acetate	ND	5000	5000	PASS	1000.0	500.0	
n-Heptane	ND	5000	5000	PASS	1000.0	500.0	
Ether	ND	5000	5000	PASS	1000.0	500.0	
Toluene	ND	890	890	PASS	2.0	0.5	
Total xylenes	ND	2170	2170	PASS	2000.0	1000.0	
Propane	ND	5000	5000	PASS	1000.0	500.0	
<b>Total Cat. 1 &amp; 2</b>	<b>0.0</b>						

\* Ethanol limits do not apply to orally-consumed products <2oz or topicals  
 \*\* 2-Propanol limits do not apply to topicals

**Testing performed by:**  
 Pure Analytics  
 5468 Skylane Blvd Ste 102  
 Santa Rosa, CA 95403  
 CA License #: C8-0000018-LIC

*The results contained in this report only pertain to the specific sample submitted. This certificate may not be reproduced in full without permission from the laboratory. We certify that all LQC samples were performed and meet the requirements for acceptance as outlined in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Pure Analytics is an ISO/IEC Accredited Testing Laboratory. Accredited by ANAB Cert.#: AT-2794.*



ND: Not Detected      NA: Not Applicable; NT: Test Not Performed      Reviewed and Approved by: *Samantha J. Miller*      Date: 5/26/2022

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**Sample Name:** HUMBOLDT JACK  
**Lab Sample I.D.:** BXT-TNL0006-1

**Pesticides Analysis:**

*Method: Acetonitrile extraction with sonication, dSPE clean-up, LCMSMS and GC-ECD analysis*

Compound	Result (ug/ g)	Action lim. (ug/ g)	PASS/ FAIL	LOQ (ug/ g)	LOD (ug/ g)	NOTES
<b>CA CATEGORY I</b>						
Aldicarb	ND	> LOD	PASS	0.10	0.002	
Carbofuran	ND	> LOD	PASS	0.10	0.002	
Chlordane	ND	> LOD	PASS	0.01	0.002	
Chlorfenapyr	ND	> LOD	PASS	0.004	0.002	
Chlorpyrifos	ND	> LOD	PASS	0.10	0.002	
Coumaphos	ND	> LOD	PASS	0.10	0.002	
Daminozide	ND	> LOD	PASS	0.10	0.010	
Dichlorvos	ND	> LOD	PASS	0.10	0.002	
Dimethoate	ND	> LOD	PASS	0.10	0.002	
Ethoprop	ND	> LOD	PASS	0.10	0.002	
Etofenprox	ND	> LOD	PASS	0.10	0.002	
Fenoxycarb	ND	> LOD	PASS	0.10	0.005	
Fipronil	ND	> LOD	PASS	0.10	0.005	
Imazalil	ND	> LOD	PASS	0.10	0.002	
Methiocarb	ND	> LOD	PASS	0.10	0.002	
Parathion-methyl	ND	> LOD	PASS	0.10	0.008	
Mevinphos	ND	> LOD	PASS	0.10	0.002	
Pacllobutrazol	ND	> LOD	PASS	0.10	0.002	
Propoxur	ND	> LOD	PASS	0.10	0.002	
Spiroxamine	ND	> LOD	PASS	0.10	0.002	
Thiacloprid	ND	> LOD	PASS	0.10	0.005	

**Mycotoxin Analysis:**

*Method: Acetonitrile extraction with sonication, dSPE clean-up, LCMSMS analysis*

Compound	Result (ug/ kg)	Action lim. (ug/ kg)	PASS/ FAIL	LOQ (ug/ kg)	LOD (ug/ kg)	NOTES
Aflatoxin B1	ND	NA	PASS	4.0	1.0	
Aflatoxin B2	ND	NA	PASS	4.0	1.0	
Aflatoxin G1	ND	NA	PASS	4.0	1.0	
Aflatoxin G2	ND	NA	PASS	4.0	1.0	
Total Aflatoxin	ND	< 20.0	PASS	16.0	4.0	
Ochratoxin A	ND	< 20.0	PASS	4.0	1.0	

**Cannabinoid Content Limit Verification:**

Description	Do Not Exceed Req't.	PASS/ FAIL
1 THC in Edibles	10 mg/serv.	NA
2 Non-medical, non-oral dissolving Edibles	100 mg/pkg	NA
3 Orally-dissolving medical-only Edible	500 mg/pkg	NA
4 Non-medical concentrates and topicals	1000 mg/pkg	PASS
5 Medical-only concentrates and topicals	2000 mg/pkg	NA

**Testing performed by:**

Pure Analytics

5468 Skylane Blvd Ste 102

Santa Rosa, CA 95403

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Compound	Result (ug/ g)	Action lim. (ug/ g)		PASS/ FAIL	LOQ (ug/ g)	LOD (ug/ g)	NOTES
		(Inhale)	(Other)				
<b>CA CATEGORY II</b>							
Abamectin	ND	0.1	0.3	PASS	0.10	0.01	
Acephate	ND	0.1	5	PASS	0.10	0.01	
Acequinocyl	ND	0.1	4	PASS	0.10	0.002	
Acetamiprid	ND	0.1	5	PASS	0.10	0.002	
Azoxystrobin	ND	0.1	40	PASS	0.10	0.002	
Bifenazate	ND	0.1	5	PASS	0.10	0.002	
Bifenthrin	ND	3	0.5	PASS	0.10	0.002	
Boscalid	ND	0.1	10	PASS	0.10	0.002	
Captan	ND	0.7	5	PASS	0.10	0.01	
Cyfluthrin	ND	2	1	PASS	0.10	0.002	
Cypermethrin	ND	1	1	PASS	0.10	0.002	
Carbaryl	ND	0.5	0.5	PASS	0.10	0.002	
Chlorantraniliprole	ND	10	40	PASS	0.10	0.002	
Clofentezine	ND	0.1	0.5	PASS	0.10	0.002	
Diazinon	ND	0.1	0.2	PASS	0.10	0.002	
Dimethomorph	ND	2	20	PASS	0.10	0.002	
Etozazole	ND	0.1	1.5	PASS	0.10	0.002	
Fenhexamid	ND	0.1	10	PASS	0.10	0.01	
Fenpyroximate	ND	0.1	2	PASS	0.10	0.002	
Fonicamid	ND	0.1	2	PASS	0.10	0.01	
Fludioxonil	ND	0.1	30	PASS	0.10	0.02	
Hexythiazox	ND	0.1	2	PASS	0.10	0.002	
Imidacloprid	ND	5	3	PASS	0.10	0.002	
Kresoxim-methyl	ND	0.1	1	PASS	0.10	0.002	
Malathion	ND	0.5	5	PASS	0.10	0.01	
Metalaxyl	ND	2	15	PASS	0.10	0.002	
Methomyl	ND	1	0.1	PASS	0.10	0.01	
Myclobutanil	ND	0.1	9	PASS	0.10	0.002	
Naled	ND	0.1	0.5	PASS	0.10	0.01	
Oxamyl	ND	0.5	0.2	PASS	0.10	0.002	
Pentachloronitrobenz.	ND	0.1	0.2	PASS	0.10	0.002	
Permethrin	ND	0.5	20	PASS	0.10	0.002	
Phosmet	ND	0.1	0.2	PASS	0.10	0.002	
Piperonyl butoxide	ND	3	8.0	PASS	0.10	0.002	
Prallethrin	ND	0.1	0.4	PASS	0.10	0.002	
Propiconazole	ND	0.1	20.0	PASS	0.10	0.002	
Pyrethrins	ND	0.5	1	PASS	0.10	0.002	
Pyridaben	ND	0.1	3	PASS	0.10	0.002	
Spinetoram	ND	0.1	3	PASS	0.10	0.01	
Spinosad	ND	0.1	3	PASS	0.10	0.002	
Spiromesifen	ND	0.1	12	PASS	0.10	0.002	
Spirotetramat	ND	0.1	13	PASS	0.10	0.002	
Tebuconazole	ND	0.1	2	PASS	0.10	0.002	
Trifloxystrobin	ND	0.10	30	PASS	0.10	0.002	
Thiamethoxam	ND	5	4.5	PASS	0.10	0.002	

ND: Not Detected

Reviewed and Approved by: *Samantha J. Miller*

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**Lab Sample I.D.:** BXT-TNL0006-1

**Terpene Analysis:**  
 Method: Methanol Extraction with Sonication and GC-FID Analysis

Compound	% wt.	Action lim. (% wt.)	PASS/ FAIL	LOQ (mg/g)	LOD (mg/g)	NOTES
α-Pinene	0.20%	NA	NA	0.001	0.0005	
Camphene	ND	NA	NA	0.001	0.0005	
β-Pinene	0.16%	NA	NA	0.001	0.0005	
β-Myrcene	0.73%	NA	NA	0.001	0.0005	
3-Carene	0.22%	NA	NA	0.001	0.0005	
R-Limonene	0.42%	NA	NA	0.001	0.0005	
Eucalyptol	NT	NA	NA	0.001	0.0005	
Ocimene	0.99%	NA	NA	0.001	0.0005	
γ-Terpinene	NT	NA	NA	0.001	0.0005	
Terpinolene	5.25%	NA	NA	0.001	0.0005	
Linalool	0.05%	NA	NA	0.001	0.0005	
Fenchol	NT	NA	NA	0.001	0.0005	
(+)-Pulegone	ND	NA	NA	0.001	0.0005	
Menthol	ND	NA	NA	0.001	0.0005	
Borneol	ND	NA	NA	0.001	0.0005	
α-Terpineol	NT	NA	NA	0.001	0.0005	
Geraniol	ND	NA	NA	0.001	0.0005	
β-Caryophyllene	1.85%	NA	NA	0.001	0.0005	
α-Humulene	0.62%	NA	NA	0.001	0.0005	
Valencene	NT	NA	NA	0.001	0.0005	
Farnesene	0.63%	NA	NA	0.001	0.0005	
trans-Nerolidol	ND	NA	NA	0.001	0.0005	
cis-Nerolidol	1.42%	NA	NA	0.001	0.0005	
Guaiol	ND	NA	NA	0.001	0.0005	
α-Bisabolol	NT	NA	NA	0.001	0.0005	
Eicosane	NT	NA	NA	0.001	0.0005	
Camphor	ND	NA	NA	0.001	0.0005	
L-Fenchone	ND	NA	NA	0.001	0.0005	
Sabinene	ND	NA	NA	0.001	0.0005	
β-Caryoph. Ox.	NT	NA	NA	0.001	0.0005	
Phytol	NT	NA	NA	0.001	0.0005	
α-Phellandrene	0.14%	NA	NA	0.001	0.0005	
<b>Total %</b>	<b>12.67%</b>					

**Filth & Foreign Material Inspection:**  
 Filth & Foreign Material by method 89370.96 using stereo microscope

Filth & Foreign Inspection	PASS/ FAIL
Observations:	PASS

**Water Activity Analysis:**  
 Water Activity by method 89370.98 on a Novasina LabTouch-aw

Water Activity	Result	Action Limit (Aw)		PASS/ FAIL
		Inhale	Other	
Aw	NT	0.65	0.85	NA

**Moisture Content Analysis:**  
 Moisture Content method by method 89370.98 using ThermoFisher programmable oven

Moisture Content	Result	Action Limit	PASS/ FAIL
% Moisture	NT	13.0%	NA

**Vitamin E Acetate Analysis:**  
 Method: Extraction by Acetone with sonication and analysis by HPLC-DAD

Compound	Result	Action Limit (mg/kg)	LOG (mg/kg)
Vitamin E Acetate	NT	NA	5.00

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