



**BSCG BATCH CERTIFICATION**  
**CERTIFIED CBD**

**REPORTING ADDRESS:**

Purity Hemp Company Ltd  
2a Beechmont Ave, Virginia Water,  
Surrey, England, GU254EY

**REPORT DATE:** September 30, 2020

**RECEIVE DATE:** July 16, 2020

**BRAND NAME:** Purity Hemp Company

**PRODUCT NAME:** 10% MCT Oil

**BATCH #:** TE190820MN

**LAB ID #:** 200923T013 / 2010172-01 / 305623

**PRODUCT TYPE:** Finished Product Oil

**CANNABINOID PROFILE TESTING**

**METHOD:** Quantitative Analysis of Cannabinoids by High Performance Liquid Chromatography with UltraViolet Detector (HPLC-UV) in Accordance with ISO/IEC 17025:2017 Validated Standard Operating Procedure.

Density of Product (1.0 g/ml - water, 0.925 g/ml - oil, 0.945 g/ml - MCT oil) 0.945  
Serving Size on Package (ml) 0.25  
Maximum Servings Per Day (ml) 0.75  
Package Size (ml) 10

RESULTS			CALCULATED VALUES			PERCENT	
Analyte	mg/kg *	RL	mg/ml	mg/serving	mg/package	%	Pass/Fail
Cannabidiol (CBD)	124525	2000	117.68	29.42	1176.76	12.5	Pass
Cannabidiolic Acid (CBDA)	0	49.9	0.00	0.00	0.00	0.0	
Cannabigerol (CBG)	0	49.9	0.00	0.00	0.00	0.0	
Cannabinol (CBN)	0	49.9	0.00	0.00	0.00	0.0	
Delta 9-Tetrahydrocannabinol (D9-THC)	0	49.9	0.00	0.00	0.00	0.0	
Delta 8-Tetrahydrocannabinol (D8-THC)	0	49.9	0.00	0.00	0.00	0.0	
Cannabichromene (CBC)	0	49.9	0.00	0.00	0.00	0.0	
Tetrahydrocannabinolic acid (THCA)	0	49.9	0.00	0.00	0.00	0.0	
<b>Total Cannabinoids</b>	<b>124525</b>		<b>117.68</b>	<b>29.42</b>	<b>1176.76</b>	<b>12.5</b>	
<b>Max THC (THC + 0.877*THCA)</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	
<b>Max CBD (CBD + 0.877*CBDA)</b>			<b>117.68</b>	<b>29.42</b>	<b>1176.76</b>	<b>12.5</b>	
<b>Other Cannabinoids</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0</b>	

**Notes:**

**RL - Reporting Limit**

\* Zero indicates the analyte was not detected subject to the RL

Max THC and Max CBD are calculated values based on the weight loss of the acid group assuming complete decarboxylation of the acid to the neutral form

Max CBD should be within 80 - 120% of claim for product.

Max THC must be <0.30% to Pass.

For products sold in the UK Max THC must be less than 1 mg/package.

Products with THC free claims may not have any measurable amount of Max THC present.

**CONTAMINANTS - SOLVENTS**

**METHOD:** Residual Solvents by Head Space Gas Chromatography Flame Ionization Detection Mass Spectrometry (HS GC FID/MS) in Accordance with ISO/IEC 17025:2017 Validated Standard Operating Procedure.

**RESULTS:**

Solvent	Category	Result	RL (ppm)	Action Level (ppm)	Pass/Fail
1,2-Dichloroethane	I	ND	0.65	Present	Pass
Benzene	I	ND	0.33	Present	Pass
Chloroform	I	ND	0.65	Present	Pass
Ethylene oxide	I	ND	220	Present	Pass
Methylene chloride	I	ND	41.2	Present	Pass
Trichloroethene	I	ND	8.24	Present	Pass
Acetone	II	ND	247	5000	Pass
Acetonitrile	II	ND	19.8	410	Pass
Diethyl ether	II	ND	165	5000	Pass
Ethanol	II	ND	330	5000	Pass
Ethyl acetate	II	ND	132	5000	Pass
Heptane	II	ND	165	5000	Pass
Hexane	II	ND	16.6	290	Pass
Isopropanol	II	ND	165	5000	Pass
Methanol	II	ND	82.4	3000	Pass
Pentane	II	ND	247	5000	Pass
Toluene	II	ND	49.5	890	Pass
Total xylenes (ortho-, meta-, para-)	II	ND	148.4	2170	Pass

**Notes:**

**ND - Not Detected**

**RL - Reporting Limit**

California Bureau of Cannabis Control Emergency Regulation Text Solvent List and Action Level Noted above, USP <467> Residual Solvents limits also considered Pass/Fail based on Action Level noted, USP <467> limits, and/or product specifications as appropriate.



## BANNED SUBSTANCES CONTROL GROUP

**CERTIFIED DRUG FREE®**  
**CERTIFIED QUALITY™**  
**CERTIFIED GMP™**

11301 W. Olympic Blvd  
 Suite 685  
 Los Angeles, CA 90064  
 (800) 920-6605  
 www.bscg.org

### CONTAMINANTS - PESTICIDES

**METHOD:** USP <561> with EPA list included in Accordance with ISO/IEC 17025:2017 Validated Standard Operating Procedure.  
 Sample meets European Pharmacopeial Pesticides Residual limits for all compounds. No Quintozene residues detected.

**RESULTS (Pass/Fail based on Limit):**

Compound	Limit (PPM)	Result
Acephate	0.1	Pass
Alachlor	0.05	Pass
Aldrin and dieldrin	0.05	Pass
Azinphos-ethyl	0.1	Pass
Azinphos-methyl	1	Pass
Bromine, inorganic	50	Pass
Bromophos-ethyl	0.05	Pass
Bromophos-methyl	0.05	Pass
Bromopropylate	3	Pass
Chlordane	0.05	Pass
Chlorfenvinphos	0.5	Pass
Chlorpyrifos-ethyl	0.2	Pass
Chlorpyrifos-methyl	0.1	Pass
Chlorthal-dimethyl	0.01	Pass
Cyfluthrin (sum of)	0.1	Pass
gamma-Cyhalothrin	1	Pass
Cypermethrin	1	Pass
DDT (sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-DDD, and p,p'-DDD)	1	Pass
Deltamethrin	0.5	Pass
Diazinon	0.5	Pass
Dichlofluanid	0.1	Pass
Dichlorvos	1	Pass
Dicofol	0.5	Pass
Dimethoate and omethoate	0.1	Pass
Dithiocarbamate (as CS2)	2	Pass
Endosulfan (includes endosulfan I, II, sulfate)	3	Pass
Endrin	0.05	Pass
Ethion	2	Pass
Etrimphos	0.05	Pass
Fenchlorphos (sum of fenchlorophos and fenchlorophos-oxon)	0.1	Pass
Fenitrothion	0.1	Pass
Fenpropathrin	0.03	Pass
Fensulfothion	0.05	Pass
Fenthion	0.05	Pass
Fenvalerate	1.5	Pass
Flucytrinate	0.05	Pass

Compound	Limit (PPM)	Result
t-Fluvalinate	0.05	Pass
Fonofos	0.05	Pass
Heptachlor	0.05	Pass
Heptachlor Epoxide	0.05	Pass
Hexachlorobenzene	0.1	Pass
Hexachlorocyclohexane	0.3	Pass
Lindane	0.6	Pass
Malathion and malaoxon	1	Pass
Mecarban	0.05	Pass
Methacriphos	0.05	Pass
Methamidophos	0.05	Pass
Methidathion	0.2	Pass
Methoxychlor	0.05	Pass
Mirex	0.01	Pass
Monocrotophos	0.1	Pass
Parathion-ethyl and Paraoxon-ethyl	0.5	Pass
Parathion-methyl and Paraoxon-methyl	0.2	Pass
Pencimethalin	0.1	Pass
Pentachloranisol	0.01	Pass
Permethrin and isomers	1	Pass
Phosalone	0.1	Pass
Phosmet	0.05	Pass
Piperonyl butoxide	3	Pass
Pirimiphos-ethyl	0.05	Pass
Pirimiphos-methyl	4	Pass
Procymidone	0.1	Pass
Profenophos	0.1	Pass
Prothiophos	0.05	Pass
Pyrethrins	3	Pass
Quinalphos	0.05	Pass
Quintozene (PCNB) (includes alpha-BHC, beta-BHC, delta-BHC)	1	Pass
S-421	0.02	Pass
Tecnazene	0.05	Pass
Tetradifon	0.3	Pass
Vinclozolin	0.4	Pass

### CONTAMINANTS - MICROBIOLOGICAL AGENTS

**METHOD:** USP <2021> , USP <2022>, AOAC <991.14> in Accordance with ISO/IEC 17025:2017 Validated Standard Operating Procedure.

**RESULTS (cfu/g, ND, or Absent/Present):**

**LIMITS - Finished Products/Ingredients, Botanical Extract**

Test	Result	USP	ANSI 173	AHPA	CBCC
Total Plate Count	<10	1 x 10 <sup>4</sup>	1 x 10 <sup>4</sup>	1 x 10 <sup>4</sup>	N/A
Yeast and Mold	<10	1 x 10 <sup>3</sup>	1 x 10 <sup>3</sup>	1 x 10 <sup>3</sup>	N/A
Total Coliforms	<10	N/A	1 x 10 <sup>2 a</sup>	1 x 10 <sup>2</sup>	N/A
E. Coli	ND	Absent	ND	ND	ND
Salmonella species	ND	Absent	ND	ND	ND
Staphylococcus aureus	ND	N/A	ND	N/A	N/A
Pseudomonas aeruginosa	ND	N/A	N/A	N/A	N/A
	Pass/Fail	Pass	Pass	Pass	Pass

**Notes:**

ND - Not Detected

N/A - Not Applicable

CBCC - California Bureau of Cannabis Control (CBCC) Emergency Regulation Text

USP 40-NF 35 <2023> - Microbiological Attributes of Nonsterile Nutritional and Dietary Supplements - May 1, 2017

ANSI 173 - 2013 ( a - ANSI 173 limits reference enterbacteriaceae as opposed to total coliforms)

AHPA Guidance Policies - Rev. 07/03/17



## BANNED SUBSTANCES CONTROL GROUP

**CERTIFIED DRUG FREE®**  
**CERTIFIED QUALITY™**  
**CERTIFIED GMP™**

11301 W. Olympic Blvd  
Suite 685  
Los Angeles, CA 90064  
(800) 920-6605  
[www.bscg.org](http://www.bscg.org)

### CONTAMINANTS - HEAVY METALS

**METHOD:** USP <233> Quantitative Analysis of Heavy Metals by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Arsenic, Cadmium, Lead, Mercury, Chromium.

**RESULTS (µg/day):**

**ACCEPTABLE LEVELS: (µg/day)**

METAL	RESULT	ICH Q3D	USP	Health Canada	ANSI 173	AHPA
Arsenic	0.001	15	15	10	10	10
Cadmium	0.001	5	5	6	4.1	4.1
Mercury	0.001	30	15 (2 as Hg)	20	2	2
Lead	0.237	5	5	10	10	6
Chromium	0.038	11000	N/A	N/A	20 <sup>a</sup>	N/A
	Pass/Fail	Pass	Pass	Pass	Pass	Pass

**Notes:**  
*ICH Q3D - Guideline for Elemental Impurities - September 2015*  
*USP 40-NF 35 <2232> - Elemental Contaminants in Dietary Supplements - May 1, 2017*  
*Quality of Natural Health Products Guide - Natural and Non-prescription Health Products Directorate - Health Canada - May 1, 2015*  
*ANSI 173 - 2013 ( <sup>a</sup> - ANSI 173 limits reference chromium (VI) as opposed to total chromium)*  
*AHPA Guidance Policies - Rev. 07/03/17*

### BANNED SUBSTANCE TESTING

**METHOD:** Samples of the item were extracted and analyzed according to in-house methods for nutritional supplements by qualitative instrumental screen using ultra-high-performance liquid chromatography / high-resolution mass spectrometry (UHPLC/HRMS) in Accordance with ISO/IEC 17025:2017 Validated Standard Operating Procedure. Method detection levels, which vary based on compound and matrix analyzed, are estimated to be in the 2-500 ng/g range for most compounds in most items.

**TESTING MENU:** The testing menu covers 496 compounds including WADA Prohibited Substances and other prescription, over-the-counter, and illicit drugs not banned in sport. Details are available at <https://www.bscg.org/certified-drug-free-testing-menu-wada-prohibited-list-and-more/>.

**RESULTS:** No compounds from the testing menu were detected in the item.

This batch has been certified in the BSCG Certified CBD program. Please contact [info@bscg.org](mailto:info@bscg.org) with any concerns or questions.

Sincerely,

Oliver Catlin  
President

*Disclaimer: Cannabinoids are prohibited substances in sport with the exception of Cannabidiol (CBD) under World Anti-Doping Agency Prohibited List language. Results apply only to the sample(s) tested. BSCG makes no claims or representations about the item(s) and does not endorse, make statements about the efficacy or safety, or make any other assurances regarding the item(s) including as to the absence of banned substances in sport or any other analytes not included in testing.*