

## Certificate of Analysis

<b>Company Name</b>	PURITY HEMP COMPANY			
<b>Company Address</b>	UNIT 1A STROUD FARM, STROUD ROAD, VIRGINIA WATER, GU25 4BY			
<b>Sample Name:</b>	CBD TRANQUILITY HEMP TEA			
<b>IFS Sample Ref:</b>	99031-1	<b>Batch Number:</b>	N/A	
<b>Sample amount:</b>	40g	<b>Density (g/ml):</b>	N/A	
<b>Date of Receipt:</b>	25/05/2022	<b>Date Tested:</b>	31/05/2022	<b>Date Issued:</b> 25/07/2022

<b>Cannabinoid Analysis:</b>	<b>LOD: (%w/w)</b>	<b>Result (mg/g)</b>	<b>Result: (% w/w)</b>	<b>Result (mg/teabag)</b>
<b>NON-PSYCHOACTIVE CANNABINOIDS</b>				
CBDVA (Cannabidivarinic acid)	0.0018	0.034	0.0034	0.05
CBDV (Cannabidivarin)	0.0082	<LOD	<LOD	<LOD
CBDA (Cannabidiolic acid)	0.0136	1.973	0.1973	2.90
CBGA (Cannabigerolic acid)	0.0042	0.079	0.0079	0.12
CBG (Cannabigerol)	0.0040	0.039	0.0039	0.06
CBD (Cannabidinol)	0.0155	0.929	0.0929	1.37
CBCV (Cannabichromevarin)	0.0020	<LOD	<LOD	<LOD
CBL (Cannabicyclol)	0.0017	<LOD	<LOD	<LOD
CBC (Cannabichromene)	0.0018	<LOD	<LOD	<LOD
CBCA (Cannabichromenic acid)	0.0048	<LOD	<LOD	<LOD
<b>Total Non-psychoactive Cannabinoids:</b>	<b>0.0576</b>	<b>3.054</b>	<b>0.3054</b>	<b>4.5</b>

<b>PSYCHOACTIVE CANNABINOIDS</b>				
THCV (Tetrahydrocannabivarin)	0.0024	<LOD	<LOD	<LOD
THCVA (Tetrahydrocannabivarinic acid)	0.0049	<LOD	<LOD	<LOD
CBN (Cannabinol)	0.0022	<LOD	<LOD	<LOD
CBNA (Cannabinolic acid)	0.0022	<LOD	<LOD	<LOD
$\Delta$ 9-THC ( $\Delta$ 9-Tetrahydrocannabinol)	0.0018	<LOD	<LOD	<LOD
$\Delta$ 8-THC ( $\Delta$ 8-Tetrahydrocannabinol)	0.0024	<LOD	<LOD	<LOD
THCA ( $\Delta$ 9-Tetrahydrocannabinolic acid)	0.0042	<LOD	<LOD	<LOD
<b>Total Psychoactive Cannabinoids:</b>	<b>0.0201</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>

**Method:** - IFS-TP-001 - Analysis of Cannabinoid in Cannabis and Industrial Hemp Products with UHPLC-DAD. In-House Method based on Restek, Supelco and Sigma-Aldrich methods of analysis.

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The following table displays results obtained from analysing the extract after it was boiled in 100ml of H<sub>2</sub>O and extracted.

<b>Cannabinoid Analysis:</b>	<b>LOD: (%w/w)</b>	<b>Result (mg/g)</b>	<b>Result: (% w/w)</b>	<b>Result (mg/teabag+)</b>
<b>NON-PSYCHOACTIVE CANNABINOIDS</b>				
CBDVA (Cannabidivarinic acid)	0.0012	<LOD	<LOD	<LOD
CBDV (Cannabidivarin)	0.0019	<LOD	<LOD	<LOD
CBDA (Cannabidiolic acid)	0.0014	<LOD	<LOD	<LOD
CBGA (Cannabigerolic acid)	0.0015	<LOD	<LOD	<LOD
CBG (Cannabigerol)	0.0022	<LOD	<LOD	<LOD
CBD (Cannabidinol)	0.0034	<LOD	<LOD	<LOD
CBCV (Cannabichromevarin)	0.0020	<LOD	<LOD	<LOD
CBL (Cannabicyclol)	0.0026	<LOD	<LOD	<LOD
CBC (Cannabichromene)	0.0015	<LOD	<LOD	<LOD
CBCA (Cannabichromenic acid)	0.0037	<LOD	<LOD	<LOD
<b>Total Non-psychoactive Cannabinoids:</b>	<b>0.0214</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>

<b>PSYCHOACTIVE CANNABINOIDS</b>				
THCV (Tetrahydrocannabivarin)	0.0038	<LOD	<LOD	<LOD
THCVA (Tetrahydrocannabivarinic acid)	0.0035	<LOD	<LOD	<LOD
CBN (Cannabinol)	0.0009	<LOD	<LOD	<LOD
CBNA (Cannabinolic acid)	0.0009	<LOD	<LOD	<LOD
Δ <sup>9</sup> -THC (Δ <sup>9</sup> -Tetrahydrocannabinol)	0.0014	<LOD	<LOD	<LOD
Δ <sup>8</sup> -THC (Δ <sup>8</sup> -Tetrahydrocannabinol)	0.0015	<LOD	<LOD	<LOD
THCA (Δ <sup>9</sup> -Tetrahydrocannabinolic acid)	0.0034	<LOD	<LOD	<LOD
<b>Total Psychoactive Cannabinoids:</b>	<b>0.0154</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>	<b>&lt;LOD</b>

**Method:** - IFS-TP-001 - Analysis of Cannabinoid in Cannabis and Industrial Hemp Products with UHPLC-DAD. In-House Method based on Restek, Supelco and Sigma-Aldrich methods of analysis.

Authorised by:



Analytical Manager

Kristzian Drusko (BSc (Hon.) MRSC)

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