

**LIST OF ACTIVITIES CONDUCTED WITHIN THE FLEXIBLE SCOPE OF  
ACCREDITATION WITH RECORD OF CHANGES**

Issue 6 effective from: 13.02.2025

Flexibility in applying updated methods described in standards / procedures developed by the laboratory, test objects and measurement ranges.

The current List of activities conducted within the flexible scope is available on the website [www.ekotechlab.pl](http://www.ekotechlab.pl) and upon request at the accredited entity.



*Prepared by*



*Approved by*

EkotechLAB Research and Development Laboratory				
No.	Tested Product/Material	Type of Activity / Tested Characteristics / Method		Reference Documents
1.	E-liquid refills for electronic cigarettes	<p>Nicotine Content Range: (0.50 – 25.00) mg/g</p> <p>Propylene Glycol Content Range: (100.0 – 1000.0) mg/g</p> <p>Glycerol Content Range: (100.0 – 1000.0) mg/g</p> <p>Gas Chromatography with Flame Ionization Detection (GC-FID) Method</p>		ISO 20714:2019-08
2.	Dried plant material	<p>Cannabinoid content:</p> <p>CBD (0.01 - 70.00) %</p> <p>CBDA (0.01 - 30.00) %</p> <p>CBDV (0.01 - 10.00) %</p> <p>CBC (0.01 - 10.00) %</p> <p>CBN (0.01 - 10.00) %</p> <p>CBG (0.01 - 30.00) %</p> <p>CBGA (0.01 - 20.00) %</p> <p><math>\Delta^9</math>-THC (0.01 - 20.00) %</p> <p><math>\Delta^9</math>-THCA-A (0.01 - 20.00) %</p> <p><math>\Delta^8</math>-THC (0.01 - 10.00) %</p> <p>THCV (0.01 - 10.00) %</p> <p>CBL (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:</p> <p>CBD (0.01 - 70.00) %</p> <p>CBDA (0.01 - 30.00) %</p> <p>CBDV (0.01 - 10.00) %</p> <p>CBC (0.01 - 10.00) %</p> <p>CBN (0.01 - 10.00) %</p> <p>CBG (0.01 - 30.00) %</p> <p>CBGA (0.01 - 20.00) %</p> <p><math>\Delta^9</math>-THC (0.01 - 20.00) %</p> <p><math>\Delta^9</math>-THCA-A (0.01 - 20.00) %</p> <p><math>\Delta^8</math>-THC (0.01 - 10.00) %</p> <p>THCV (0.01 - 10.00) %</p> <p>CBL (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	PB-CL-1:2021 issue 2 of August 31. 2023
3.	Hemp seed oil	<p>Cannabinoid content:</p> <p>CBD (0.01 - 30.00) %</p> <p>CBDA (0.01 - 30.00) %</p> <p>CBDV (0.01 - 10.00) %</p> <p>CBC (0.01 - 10.00) %</p> <p>CBN (0.01 - 10.00) %</p> <p>CBG (0.01 - 30.00) %</p> <p>CBGA (0.01 - 10.00) %</p> <p><math>\Delta^9</math>-THC (0.01 - 10.00) %</p> <p><math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p><math>\Delta^8</math>-THC (0.01 - 1.00) %</p> <p>THCV (0.01 - 1.00) %</p> <p>CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:</p> <p>CBD (0.01 - 30.00) %</p> <p>CBDA (0.01 - 30.00) %</p> <p>CBDV (0.01 - 10.00) %</p> <p>CBC (0.01 - 10.00) %</p> <p>CBN (0.01 - 10.00) %</p> <p>CBG (0.01 - 30.00) %</p> <p>CBGA (0.01 - 10.00) %</p> <p><math>\Delta^9</math>-THC (0.01 - 10.00) %</p> <p><math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p><math>\Delta^8</math>-THC (0.01 - 1.00) %</p> <p>THCV (0.01 - 1.00) %</p> <p>CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	PB-CL-1:2021 issue 2 of August 31. 2023
4.	Cannabinoid isolates	<p>Cannabinoid content:</p> <p>CBD (0.01 – 99.80) %</p> <p>CBDA (0.01 – 30.00) %</p> <p>CBDV (0.01 – 99.80) %</p> <p>CBC (0.01 – 99.80) %</p>	<p>Cannabinoid content:</p> <p>CBD (0.01 – 99.80) %</p> <p>CBDA (0.01 – 30.00) %</p> <p>CBDV (0.01 – 99.80) %</p> <p>CBC (0.01 – 99.80) %</p>	PB-CL-1:2021 issue 2 of August 31. 2023

		<p>CBN (0.01 – 99.80) %                  CBG (0.01 - 99.80) %                  CBGA (0.01 - 99.80) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %                  THCV (0.01 - 1.00) %                  CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>CBN (0.01 – 99.80) %                  CBG (0.01 - 99.80) %                  CBGA (0.01 - 99.80) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %                  THCV (0.01 - 1.00) %                  CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	
5.	Hemp extract	<p>Cannabinoid content:                  CBD (0.01 - 90.00) %                  CBDA (0.01 - 70.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 90.00) %                  CBGA (0.01 - 78.00) %  <math>\Delta^9</math>-THC (0.01 - 85.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %                  THCV (0.01 - 1.00) %                  CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:                  CBD (0.01 - 90.00) %                  CBDA (0.01 - 70.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 90.00) %                  CBGA (0.01 - 78.00) %  <math>\Delta^9</math>-THC (0.01 - 85.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %                  THCV (0.01 - 1.00) %                  CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	<p>PB-CL-1:2021                  issue 2 of August 31.                  2023</p>
6.	Products containing hemp and/or hemp isolates/extracts: agricultural products, animal feed. etc.	<p>Cannabinoid content:                  CBD (0.01 - 30.00) %                  CBDA (0.01 - 30.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 30.00) %                  CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:                  CBD (0.01 - 30.00) %                  CBDA (0.01 - 30.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 30.00) %                  CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	<p>PB-CL-1:2021                  issue 2 of August 31.                  2023</p>
7.	Products containing hemp and/or hemp isolates/extracts: Cereals and cereal products	<p>Cannabinoid content:                  CBD (0.01 - 30.00) %                  CBDA (0.01 - 30.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 30.00) %</p>	<p>Cannabinoid content:                  CBD (0.01 - 30.00) %                  CBDA (0.01 - 30.00) %                  CBDV (0.01 - 10.00) %                  CBC (0.01 - 10.00) %                  CBN (0.01 - 10.00) %                  CBG (0.01 - 30.00) %</p>	<p>PB-CL-1:2021                  issue 2 of August 31.                  2023</p>

		<p>CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	
8.	<p>Products containing hemp and/or hemp isolates/extracts: Animal and vegetable oils and fats</p>	<p>Cannabinoid content:            CBD (0.01 - 50.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %            THCV (0.01 - 1.00) %            CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:            CBD (0.01 - 50.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %  <math>\Delta^8</math>-THC (0.01 - 1.00) %            THCV (0.01 - 1.00) %            CBL (0.01 - 1.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	<p>PB-CL-1:2021 issue 2 of August 31, 2023</p>
9.	<p>Products containing hemp and/or hemp isolates/extracts: Sweets and confectionery</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	<p>PB-CL-1:2021 issue 2 of August 31, 2023</p>
10.	<p>Products containing hemp and/or hemp isolates/extracts: Dietary supplements</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p>	<p>PB-CL-1:2021 issue 2 of August 31, 2023</p>

		High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)	High-performance liquid chromatography method with diode array detection (HPLC-DAD)	
11.	Products containing hemp and/or hemp isolates/extracts: Non-alcoholic beverages	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	PB-CL-1:2021 issue 2 of August 31. 2023
12.	Products containing hemp and/or hemp isolates/extracts: Alcoholic beverages and spirits	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	PB-CL-1:2021 issue 2 of August 31. 2023
13.	Products containing hemp and/or hemp isolates/extracts: Cosmetics	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)</p>	<p>Cannabinoid content:            CBD (0.01 - 30.00) %            CBDA (0.01 - 30.00) %            CBDV (0.01 - 10.00) %            CBC (0.01 - 10.00) %            CBN (0.01 - 10.00) %            CBG (0.01 - 30.00) %            CBGA (0.01 - 10.00) %  <math>\Delta^9</math>-THC (0.01 - 10.00) %  <math>\Delta^9</math>-THCA-A (0.01 - 10.00) %</p> <p>High-performance liquid chromatography method with diode array detection (HPLC-DAD)</p>	PB-CL-1:2021 issue 2 of August 31. 2023
14.	Products containing hemp and/or hemp	Cannabinoid content: CBD (0.01 - 30.00) %	Cannabinoid content: CBD (0.01 - 30.00) %	PB-CL-1:2021

	isolates/extracts: E-liquid refills for electronic cigarettes	CBDA (0.01 - 30.00) % CBDV (0.01 - 10.00) % CBC (0.01 - 10.00) % CBN (0.01 - 10.00) % CBG (0.01 - 30.00) % CBGA (0.01 - 10.00) % $\Delta^9$ -THC (0.01 - 10.00) % $\Delta^9$ -THCA-A (0.01 - 10.00) %  High-performance liquid chromatography method with spectrophotometric detection (HPLC-UV/Vis)	CBDA (0.01 - 30.00) % CBDV (0.01 - 10.00) % CBC (0.01 - 10.00) % CBN (0.01 - 10.00) % CBG (0.01 - 30.00) % CBGA (0.01 - 10.00) % $\Delta^9$ -THC (0.01 - 10.00) % $\Delta^9$ -THCA-A (0.01 - 10.00) %  High-performance liquid chromatography method with diode array detection (HPLC- DAD)	issue 2 of August 31. 2023
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