

Hemp Proficiency Testing

Summary Statistics

OL21SEP-1 (oil)



Sample: OL21SEP-1 (oil)

Summary Statistics

Issue Date: October 24, 2021

By Analyte

Analyte	Code	Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
		Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
Δ9-THC (%AR)	001	0.1031	38	0.011	10.7	5.61	3.43	0.24	11
CBD (%AR)	003	1.5848	36	0.1088	6.87	3.72	2.27	0.15	12.2
CBDA (%AR)	004	0.0283	30	0.0043	15.3	6.81	4.94	0	34.1
CBN (%AR)	005	0.042	28	0.0045	10.6	6.42	3.52	0	55.1
Total Δ9-THC (%AR)	006	0.1014	31	0.008	7.9	5.63	4.54	0	76.3
Total CBD (%AR)	007	1.6106	32	0.1168	7.25	3.72	2.53	0.15	11.9
CBDV (%AR)	008	0.0148	13	0.006	40.4	7.51	2.49	0	8.33
CBG (%AR)	010	0.0894	25	0.0075	8.39	5.73	2.76	0	9.56
Δ8-THC (%AR)	013	0.3555	26	0.0205	5.77	4.66	2.31	0.1	14.1
CBC (%AR)	014	0.1208	24	0.0125	10.4	5.48	2.55	0	25.5

By Method Group

Analyte	Code	Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
		Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
CBN (%AR)	LC	0.0423	25	0.004	9.42	6.41	2.9	0	17.7
Total Δ9-THC (%AR)	LC	0.1028	27	0.0069	6.71	5.61	4.32	0	76.3
Total CBD (%AR)	LC	1.5993	28	0.1167	7.3	3.72	2.69	0.15	11.9

By Method

Analyte	Code		Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
			Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
Δ9-THC (%AR)	001.02	AOAC 2018.11, UV	0.1001	7	0.0139	13.8	5.64	4.34	1.34	8.16
Δ9-THC (%AR)	001.10	Other LC-UV	0.1031	24	0.0109	10.5	5.61	2.61	0.44	9.61
CBD (%AR)	003.02	AOAC 2018.11, UV	1.5826	7	0.1055	6.66	3.72	1.88	0.22	5.13
CBD (%AR)	003.10	Other LC-UV	1.583	23	0.1147	7.24	3.72	2.33	0.4	6.04
CBDA (%AR)	004.10	Other LC-UV	0.0285	20	0.0032	11.1	6.8	3.93	0	21.1
CBN (%AR)	005.10	Other LC-UV	0.0426	17	0.0037	8.62	6.41	2.67	0	17.7
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, UV	0.1025	6	0.0049	4.76	5.62	4.63	1.57	7.31
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.1014	17	0.0091	8.93	5.62	3.77	0	76.3
Total CBD (%AR)	007.02	AOAC 2018.11, UV	1.6378	6	0.1157	7.07	3.71	2.71	0.26	9.64
Total CBD (%AR)	007.10	Other LC-UV	1.5892	19	0.1387	8.73	3.72	2.46	0.4	6.04
CBDV (%AR)	008.99	Other	0.0161	11	0.0066	41.2	7.41	3.16	0	8.33
CBG (%AR)	010.99	Other	0.0902	20	0.0084	9.31	5.72	2.96	0	9.56

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Δ8-THC (%AR)	013.99	Other	0.3559	20	0.0205	5.75	4.66	2.1	0.16	14.1
CBC (%AR)	014.99	Other	0.1199	19	0.0134	11.2	5.49	2.77	0.24	25.5

1. Data summarized for trueness and precision if 6 or more Lab values and 6 or more Lab RSDr values were available.
2. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.