

Hemp Proficiency Testing

All Labs Precision

OL23SEP-1 (oil)



Sample: OL23SEP-1 (oil)

All Labs Precision

Issue Date: November 2, 2023

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.60	NIR	187	1.29								1
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.077	0.075							1
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.0813	0.0818	0.0816	0.31	0.05	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.0855	0.085	0.0845	0.59	0.1	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.082	0.0802	0.0815	1.14	0.2	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.0712	0.0695	0.0702	1.22	0.2	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.0716	0.069	0.0688	2.24	0.38	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.0715	0.074	0.07	2.81	0.47	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.99	Other	183	0.051	0.0498	0.0532	3.36	0.54	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.0707	0.0673	0.0719	3.41	0.57	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0679	0.0647	0.0693	3.5	0.59	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.0776	0.0725	0.0772	3.74	0.64	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.0787	0.0756	0.073	3.77	0.64	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0944	0.0869	0.0907	4.14	0.72	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.0475	0.0529	0.0503	5.38	0.86	4.24	0.31	9.97	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.029	0.029	0.026	6.19	0.91	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.079	0.079	0.088	6.34	1.09	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.09	0.08	0.09	6.66	1.16	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.0796	0.083	0.0702	8.54	1.46	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.99	Other	215	0.0857	0.0995	0.0999	8.51	1.5	4.24	0.31	9.97	0
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.0651	0.074	0.0795	9.97	1.69	4.24	0.31	9.97	0

Δ9-THCA (%AR)

Δ9-THCA (%AR)	002.10	Other LC-UV	196	<0.0210	<0.0210	<0.0210						1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0150	<0.0146	<0.0149						1
Δ9-THCA (%AR)	002.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.60	NIR	187	<0.0100								1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	0	0							1
Δ9-THCA (%AR)	002.99	Other	183	<0.0002	<0.0002	<0.0002						1
Δ9-THCA (%AR)	002.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	<0.0271	<0.0271	<0.0271						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	<0.0100	<0.0100	<0.0082						1
Δ9-THCA (%AR)	002.30	Other LC-MS	122	<0.0010	<0.0010	<0.0010						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0	0	0						1
Δ9-THCA (%AR)	002.99	Other	215	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0	0	0						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0200	<0.0200	<0.0200						1
Δ9-THCA (%AR)	002.10	Other LC-UV	144	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0372	0	0.0308						1
Δ9-THCA (%AR)	002.10	Other LC-UV	149	<0.0200	<0.0200	<0.0200						1
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.1694	0.1696	0.1683	0.41	0.08				0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.003	0.0019	0.0025	22.3	2.27				0

CBD (%AR)

CBD (%AR)	003.30	Other LC-MS	190	2.21	2.343							1
CBD (%AR)	003.60	NIR	187	0.78								1
CBD (%AR)	003.10	Other LC-UV	191	2.3353	2.3355	2.3354	0	0	1.72	0	7.91	0
CBD (%AR)	003.30	Other LC-MS	122	2.5611	2.564	2.5625	0.06	0.02	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	189	1.9806	1.9703	1.9703	0.3	0.08	1.72	0	7.91	0
CBD (%AR)	003.99	Other	183	2.27	2.29	2.28	0.44	0.12	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	170	2.1405	2.1596	2.1479	0.45	0.13	1.72	0	7.91	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	2.519	2.493	2.5005	0.53	0.15	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	162	2.342	2.3393	2.3623	0.54	0.15	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	106	2.43	2.42	2.45	0.63	0.18	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	196	2.327	2.315	2.357	0.93	0.26	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	144	2.0253	2.0726	2.0308	1.27	0.35	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	184	2.396	2.444	2.481	1.75	0.5	1.72	0	7.91	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%AR)	003.02	AOAC 2018.11, U	125	2.45	2.54	2.52	1.89	0.54	1.72	0	7.91	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	2.428	2.333	2.4367	2.4	0.69	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	197	2.6668	2.6316	2.5327	2.66	0.77	1.72	0	7.91	0
CBD (%AR)	003.99	Other	215	2.4921	2.3295	2.4871	3.8	1.09	1.72	0	7.91	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	2.281	2.305	2.4705	4.39	1.25	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	149	2.155	2.12	2.386	6.51	1.84	1.72	0	7.91	0
CBD (%AR)	003.10	Other LC-UV	192	2.5451	2.1927	2.2718	7.91	2.25	1.72	0	7.91	0

CBDA (%AR)

CBDA (%AR)	004.60	NIR	187	0.08								1
CBDA (%AR)	004.30	Other LC-MS	190	0.033	0.031							1
CBDA (%AR)	004.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300						1
CBDA (%AR)	004.10	Other LC-UV	149	<0.0200	0.033	<0.0200						1
CBDA (%AR)	004.99	Other	215	<0.0500	<0.0500	<0.0500						1
CBDA (%AR)	004.99	Other	183	<0.0001	<0.0001	<0.0001						1
CBDA (%AR)	004.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300						1
CBDA (%AR)	004.10	Other LC-UV	191	0.0422	0.0425	0.0424	0.36	0.06	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	196	0.0309	0.0299	0.0301	1.75	0.26	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	189	0.0246	0.0236	0.0236	2.41	0.35	7.7	0.36	49.3	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	0.0325	0.032	0.034	3.17	0.48	7.7	0.36	49.3	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	0.0396	0.0384	0.0415	3.92	0.61	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	197	0.0256	0.0276	0.0253	4.78	0.69	7.7	0.36	49.3	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDA (%AR)	004.02	AOAC 2018.11, U	125	0.0315	0.0342	0.0343	4.77	0.72	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	162	0.0266	0.0284	0.0301	6.17	0.91	7.7	0.36	49.3	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	0.035	0.032	0.03	7.78	1.17	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	184	0.029	0.032	0.037	12.4	1.86	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	144	0.0289	0.0213	0.0272	15.5	2.24	7.7	0.36	49.3	0
CBDA (%AR)	004.30	Other LC-MS	122	0.0528	0.0356	0.041	20.4	3.19	7.7	0.36	49.3	0
CBDA (%AR)	004.10	Other LC-UV	192	0.0074	0.0225	0.0163	49.3	6.6	7.7	0.36	49.3	0

CBN (%AR)

CBN (%AR)	005.30	GC-FID	138	0.0287	0.0318	<0.0200						1
CBN (%AR)	005.20	Other LC-MS	190	0.028	0.028							1
CBN (%AR)	005.10	Other LC-UV	149	<0.0200	<0.0200	<0.0200						1
CBN (%AR)	005.10	Other LC-UV	189	0.025	0.025	0.0249	0.23	0.03	5.71	0.23	35.6	0
CBN (%AR)	005.99	Other	183	0.0294	0.0292	0.0297	0.86	0.13	5.71	0.23	35.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.025	0.0255	0.0255	1.14	0.16	5.71	0.23	35.6	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0293	0.0293	0.0299	1.17	0.17	5.71	0.23	35.6	0
CBN (%AR)	005.20	Other LC-MS	122	0.0388	0.0373	0.038	1.97	0.3	5.71	0.23	35.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0317	0.03	0.0309	2.76	0.41	5.71	0.23	35.6	0
CBN (%AR)	005.10	Other LC-UV	197	0.028	0.0295	0.0283	2.78	0.41	5.71	0.23	35.6	0
CBN (%AR)	005.10	Other LC-UV	196	0.0277	0.0264	0.0287	4.18	0.61	5.71	0.23	35.6	0
CBN (%AR)	005.10	Other LC-UV	162	0.0296	0.0294	0.032	4.77	0.71	5.71	0.23	35.6	0
CBN (%AR)	005.10	Other LC-UV	192	0.0307	0.026	0.0258	10.1	1.47	5.71	0.23	35.6	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBN (%AR)	005.10	Other LC-UV	144	0.0166	0.0183	0.014	13.3	1.8	5.71	0.23	35.6	0
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.03	0.04	17.3	2.61	5.71	0.23	35.6	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.038	0.035	0.018	35.6	5.27	5.71	0.23	35.6	0
Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.60	NIR	187	1.29								1
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.0813	0.0818	0.0816	0.31	0.05	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.0855	0.085	0.0845	0.59	0.1	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.0712	0.0695	0.0702	1.22	0.2	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.082	0.0802	0.0815	1.14	0.2	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0705	0.0735	0.073	2.22	0.38	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.0742	0.0707	0.071	2.7	0.46	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.0715	0.074	0.07	2.81	0.47	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.99	Other	183	0.051	0.0498	0.0532	3.36	0.54	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.0707	0.0673	0.0719	3.41	0.57	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.0776	0.0725	0.0772	3.74	0.64	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.0944	0.0869	0.0907	4.14	0.72	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.0475	0.0529	0.0503	5.38	0.86	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.029	0.029	0.026	6.19	0.91	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.0714	0.0769	0.0686	5.84	0.99	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.079	0.079	0.088	6.34	1.09	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.084	0.085	0.074	7.51	1.29	4.43	0.31	134	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.0796	0.083	0.0702	8.54	1.46	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.0651	0.074	0.0795	9.97	1.69	4.43	0.31	134	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1005	0.0708	0.963	134	29.03	4.43	0.31	134	0
Total CBD (%AR)												
Total CBD (%AR)	007.60	NIR	187	0.45								1
Total CBD (%AR)	007.10	Other LC-UV	191	2.372	2.372	2.372	0	0	1.75	0	7.59	0
Total CBD (%AR)	007.30	Other LC-MS	122	2.6074	2.5952	2.5985	0.24	0.07	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	189	2.0022	1.991	1.991	0.32	0.09	1.75	0	7.59	0
Total CBD (%AR)	007.99	Other	183	2.27	2.29	2.28	0.44	0.12	1.75	0	7.59	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	2.5475	2.5211	2.5303	0.53	0.15	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	162	2.3653	2.3642	2.3887	0.58	0.17	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	196	2.354	2.341	2.383	0.91	0.26	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	144	2.0507	2.0913	2.0547	1.08	0.3	1.75	0	7.59	0
Total CBD (%AR)	007.40	GC-FID	138	2.6108	2.624	2.6704	1.19	0.34	1.75	0	7.59	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	2.48	2.57	2.55	1.87	0.54	1.75	0	7.59	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	2.508	2.602	2.57	1.87	0.54	1.75	0	7.59	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	2.4627	2.3667	2.4137	1.99	0.57	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	197	2.6893	2.6558	2.5549	2.66	0.77	1.75	0	7.59	0
Total CBD (%AR)	007.40	GC-FID	169	3.0112	2.9401	2.8249	3.21	0.95	1.75	0	7.59	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	2.3117	2.3331	2.4968	4.25	1.21	1.75	0	7.59	0
Total CBD (%AR)	007.10	Other LC-UV	149	2.155	2.12	2.386	6.51	1.84	1.75	0	7.59	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total CBD (%AR)	007.10	Other LC-UV	192	2.5516	2.2125	2.2861	7.59	2.16	1.75	0	7.59	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0150	<0.0146	<0.0149						1
CBDV (%AR)	008.99	Other	106	<0.0300	<0.0300	<0.0300						1
CBDV (%AR)	008.99	Other	183	0.0192	0.0186	0.0182	2.7	0.37				0
CBDV (%AR)	008.99	Other	162	0.0125	0.0128	0.0133	3.14	0.41				0
CBDV (%AR)	008.99	Other	189	0.0085	0.0089	0.0083	3.57	0.44				0
CBDV (%AR)	008.99	Other	196	0.0133	0.0135	0.0142	3.46	0.46				0
CBDV (%AR)	008.02	AOAC 2018.11, U	199	0.0365	0.0415	0.0355	8.5	1.3				0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	196	<0.0210	<0.0210	<0.0210						1
CBDVA (%AR)	009.99	Other	149	<0.0200	<0.0200	<0.0200						1
CBDVA (%AR)	009.99	Other	183	<0.0006	<0.0006	<0.0006						1
CBDVA (%AR)	009.99	Other	197	<0.0150	<0.0146	<0.0149						1

CBG (%AR)

CBG (%AR)	010.99	Other	106	0.08	0.08	0.08	0	0	3.07	0	13.4	0
CBG (%AR)	010.99	Other	197	0.0582	0.0596	0.0593	1.25	0.2	3.07	0	13.4	0
CBG (%AR)	010.99	Other	183	0.0813	0.0793	0.0818	1.64	0.28	3.07	0	13.4	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.0742	0.0774	0.0748	2.25	0.38	3.07	0	13.4	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBG (%AR)	010.99	Other	149	0.06	0.063	0.063	2.79	0.46	3.07	0	13.4	0
CBG (%AR)	010.02	AOAC 2018.11, U	199	0.0755	0.072	0.072	2.76	0.47	3.07	0	13.4	0
CBG (%AR)	010.99	Other	196	0.0557	0.0527	0.0526	3.28	0.53	3.07	0	13.4	0
CBG (%AR)	010.99	Other	189	0.0673	0.0632	0.0643	3.27	0.54	3.07	0	13.4	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.0785	0.078	0.0695	6.71	1.14	3.07	0	13.4	0
CBG (%AR)	010.99	Other	162	0.0686	0.069	0.054	13.4	2.22	3.07	0	13.4	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	183	<0.0001	<0.0001	<0.0001						1
CBGA (%AR)	011.99	Other	162	<0.0100	<0.0100	<0.0100						1
CBGA (%AR)	011.02	AOAC 2018.11, U	125	<0.0100	<0.0100	<0.0082						1
CBGA (%AR)	011.99	Other	197	<0.0150	<0.0146	<0.0149						1
CBGA (%AR)	011.99	Other	106	<0.0300	<0.0300	<0.0300						1
CBGA (%AR)	011.99	Other	196	<0.0210	<0.0210	<0.0210						1
CBGA (%AR)	011.02	AOAC 2018.11, U	199	<0.0200	<0.0200	<0.0200						1
CBGA (%AR)	011.99	Other	149	<0.0200	<0.0200	<0.0200						1
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.0105	0.0105	0.01	2.79	0.35				0
CBGA (%AR)	011.99	Other	189	0.0059	0.0067	0.0061	6.68	0.78				0

THCV (%AR)

THCV (%AR)	012.99	Other	196	<0.0210	<0.0210	<0.0210						1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
THCV (%AR)	012.99	Other	197	<0.0150	<0.0146	<0.0149						1
THCV (%AR)	012.99	Other	183	<0.0002	<0.0002	<0.0002						1
THCV (%AR)	012.99	Other	149	<0.0200	<0.0200	<0.0200						1
THCV (%AR)	012.99	Other	189	0.0037	0.0013	0.0014	63.6	6.34				0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.11	0.1105	0.1105	0.26	0.05	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	197	0.1088	0.1097	0.1093	0.41	0.07	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	189	0.0928	0.0916	0.091	1	0.17	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	138	0.1249	0.1284	0.1278	1.47	0.27	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	0.12	0.1168	0.1208	1.78	0.32	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	162	0.103	0.1087	0.1036	2.98	0.53	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	196	0.0929	0.0864	0.0892	3.64	0.64	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	183	0.1014	0.109	0.11	4.4	0.79	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	106	0.11	0.12	0.12	4.95	0.9	2.65	0.26	5.59	0
Δ8-THC (%AR)	013.99	Other	149	0.1	0.1	0.11	5.59	1	2.65	0.26	5.59	0

CBC (%AR)

CBC (%AR)	014.99	Other	106	0.12	0.12	0.12	0	0	1.65	0	3.98	0
CBC (%AR)	014.99	Other	189	0.1072	0.1072	0.1073	0.05	0.01	1.65	0	3.98	0
CBC (%AR)	014.02	AOAC 2018.11, U	199	0.133	0.133	0.1335	0.22	0.04	1.65	0	3.98	0
CBC (%AR)	014.99	Other	183	0.13	0.129	0.131	0.77	0.14	1.65	0	3.98	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBC (%AR)	014.99	Other	162	0.1225	0.1235	0.1249	0.98	0.18	1.65	0	3.98	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.131	0.127	0.132	2.04	0.38	1.65	0	3.98	0
CBC (%AR)	014.99	Other	196	0.12	0.1153	0.1222	2.96	0.54	1.65	0	3.98	0
CBC (%AR)	014.99	Other	197	0.124	0.1188	0.1148	3.87	0.7	1.65	0	3.98	0
CBC (%AR)	014.99	Other	149	0.121	0.127	0.131	3.98	0.73	1.65	0	3.98	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	196	<0.0240	<0.0240	<0.0240						1
Cd (ug/g AR)	101.04	ICP-MS	197	<0.0977	<0.0969	<0.0958						1
Cd (ug/g AR)	101.04	ICP-MS	183	<0.0100	<0.0100	<0.0100						1
Cd (ug/g AR)	101.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Cd (ug/g AR)	101.04	ICP-MS	102	0.0004	0.0002	0.0004	34.6	2.61				0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	183	<0.0100	<0.0100	<0.0100						1
As (ug/g AR)	102.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
As (ug/g AR)	102.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
As (ug/g AR)	102.04	ICP-MS	196	<0.0480	<0.0480	<0.0480						1
As (ug/g AR)	102.04	ICP-MS	197	<0.0977	<0.0969	<0.0958						1
As (ug/g AR)	102.04	ICP-MS	102	0.0003	0.0002	0.0001	50	3.49				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080						1
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Hg (ug/g AR)	103.04	ICP-MS	183	<0.0100	<0.0100	<0.0100						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0977	<0.0969	<0.0958						1
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0070	<0.0070	<0.0070						1
Hg (ug/g AR)	103.04	ICP-MS	102	0.0002	0.0002	0.0001	34.6	2.35				0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	196	<0.0240	<0.0240	<0.0240						1
Pb (ug/g AR)	104.04	ICP-MS	197	<0.0977	<0.0969	<0.0958						1
Pb (ug/g AR)	104.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
Pb (ug/g AR)	104.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Pb (ug/g AR)	104.04	ICP-MS	183	<0.0100	<0.0100	<0.0100						1
Pb (ug/g AR)	104.04	ICP-MS	102	0.0034	0.0052	0.0078	40.5	4.64				0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	<0.4900	<0.4900	<0.4900						1
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	196	<0.0720	<0.0720	<0.0720						1
Ni (ug/g AR)	106.04	ICP-MS	183	0.0542	0.0366	0.0384	22.5	3.52				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	197	<2.0000	<2.0000	<2.0000						1
Cr (ug/g AR)	107.04	ICP-MS	196	<0.0720	<0.0720	<0.0720						1
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	197	<0.0977	<0.0969	<0.0958						1
Se (ug/g AR)	108.04	ICP-MS	196	<0.0960	<0.0960	<0.0960						1
Zn (ug/g AR)												
Zn (ug/g AR)	111.04	ICP-MS	196	<5.0000	<5.0000	<5.0000						1
Sb (ug/g AR)												
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0240	<0.0240	<0.0240						1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183	0.0498	0.053	0.0545	4.58	0.74				0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0155	0.0169	<0.0100						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
beta-Caryophyllene (%)	202.02	GC,MS	183	0.0378	0.0379	0.0382	0.55	0.08				0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
(-)-Caryophyllene oxide	203.02	GC,MS	183	0.017	0.0179	0.0183	3.75	0.51				0
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Geraniol (%AR)	204.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
alpha-Humulene (%AR)	205.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Humulene (%AR)	205.02	GC,MS	183	0.0143	0.0144	0.0144	0.4	0.05				0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
d-Limonene (%AR)	206.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Linalool (%AR)	207.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
beta-Myrcene (%AR)	208.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Ocimene (%AR)	210.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Pinene (%AR)	211.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
(-)-beta-Pinene (%AR)	212.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinene (%AR)	213.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
gamma-Terpinene (%A	214.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinolene (%A	215.02	GC,MS	183	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Moisture (%AR)												
Moisture (%AR)	500.99	Other	102	0	0	0						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THC (%DW)												
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.069	0.066	0.066	2.59	0.43				0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.11	0.116	0.11	3.09	0.56				0
Δ9-THCA (%DW)												
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0	0.01	0.008						1
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	<0.0240	<0.0240	<0.0240						1
CBD (%DW)												
CBD (%DW)	503.01	AOAC 2018.10	210	2.986	2.912	3.017	1.82	0.54				0
CBDA (%DW)												
CBDA (%DW)	504.01	AOAC 2018.10	210	<0.0450	<0.0480	<0.0460						1
CBN (%DW)												
CBN (%DW)	505.02	AOAC 2018.11, U	210	<0.0240	<0.0240	<0.0230						1
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.069	0.066	0.066	2.59	0.43				0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.11	0.126	0.11	8.01	1.45				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total CBD (%DW)												
Total CBD (%DW)	507.01	AOAC 2018.10	210	2.986	2.912	3.017	1.82	0.54				0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0460	<0.0450	<0.0430						1
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	<0.0480	<0.0480	<0.0460						1
CBG (%DW)												
CBG (%DW)	510.01	AOAC 2018.10	210	0.057	0.063	0.05	11.5	1.87				0
CBGA (%DW)												
CBGA (%DW)	511.01	AOAC 2018.10	210	<0.0480	<0.0480	<0.0460						1
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0460	<0.0450	<0.0430						1
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.096	0.093	0.096	1.82	0.32				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			CBC (%DW)									
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.123	0.12	0.121	1.26	0.23				0

1. Flag definitions: 1 (Lab RSDr not calculated because there were less than 3 numeric lab results)
2. Statistical parameters of robust mean, minimum, and maximum for RSDr only shown only if there were 6 or more lab RSDr values.
3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.c