

Hemp Proficiency Testing

All Labs Trueness

OL23SEP-1 (oil)



Sample: OL23SEP-1 (oil)

All Labs Trueness

Issue Date: November 2, 2023

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.029	0.029	0.026	0.028	-4.07	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.0475	0.0529	0.0503	0.0502	-2.14	0.075	20	0.0116	0
Δ9-THC (%AR)	001.99	Other	183	0.051	0.0498	0.0532	0.0513	-2.05	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0679	0.0647	0.0693	0.0673	-0.66	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.0716	0.069	0.0688	0.0698	-0.45	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.0712	0.0695	0.0702	0.0703	-0.41	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.0707	0.0673	0.0719	0.07	-0.43	0.075	20	0.0116	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.0715	0.074	0.07	0.0718	-0.27	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.0651	0.074	0.0795	0.0729	-0.18	0.075	20	0.0116	0
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.077	0.075		0.076	0.09	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.0787	0.0756	0.073	0.0758	0.07	0.075	20	0.0116	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.0776	0.0725	0.0772	0.0758	0.07	0.075	20	0.0116	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.0796	0.083	0.0702	0.0776	0.23	0.075	20	0.0116	0
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.082	0.0802	0.0815	0.0812	0.54	0.075	20	0.0116	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.079	0.079	0.088	0.082	0.61	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.0813	0.0818	0.0816	0.0816	0.57	0.075	20	0.0116	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.0855	0.085	0.0845	0.085	0.87	0.075	20	0.0116	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.09	0.08	0.09	0.0867	1.01	0.075	20	0.0116	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0944	0.0869	0.0907	0.0907	1.36	0.075	20	0.0116	0
Δ9-THC (%AR)	001.99	Other	215	0.0857	0.0995	0.0999	0.095	1.74	0.075	20	0.0116	0
Δ9-THC (%AR)	001.60	NIR	187	1.29			1.29					1

Δ9-THCA (%AR)

Δ9-THCA (%AR)	002.99	Other	183	<0.0002	<0.0002	<0.0002	<0.0002					1
Δ9-THCA (%AR)	002.30	Other LC-MS	122	<0.0010	<0.0010	<0.0010	<0.0010					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	<0.0100	<0.0100	<0.0082	<0.0100					1
Δ9-THCA (%AR)	002.60	NIR	187	<0.0100			<0.0100					1
Δ9-THCA (%AR)	002.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.10	Other LC-UV	144	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125	<0.0125					1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0150	<0.0146	<0.0149	<0.0150					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0200	<0.0200	<0.0200	<0.0200					1
Δ9-THCA (%AR)	002.10	Other LC-UV	149	<0.0200	<0.0200	<0.0200	<0.0200					1
Δ9-THCA (%AR)	002.10	Other LC-UV	196	<0.0210	<0.0210	<0.0210	<0.0210					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	<0.0271	<0.0271	<0.0271	<0.0271					1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300	<0.0300					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THCA (%AR)	002.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300	<0.0300					1
Δ9-THCA (%AR)	002.99	Other	215	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	0	0		0					2
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0	0	0	0					2
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0	0	0	0					2
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.003	0.0019	0.0025	0.0025					0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0372	0	0.0308	0.034					0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.1694	0.1696	0.1683	0.169					0

CBD (%AR)

CBD (%AR)	003.60	NIR	187	0.78			0.78					1
CBD (%AR)	003.10	Other LC-UV	189	1.9806	1.9703	1.9703	1.97	-2.4	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	144	2.0253	2.0726	2.0308	2.04	-1.96	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	170	2.1405	2.1596	2.1479	2.15	-1.29	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	149	2.155	2.12	2.386	2.22	-0.84	2.3545	19	0.1589	0
CBD (%AR)	003.99	Other	183	2.27	2.29	2.28	2.28	-0.47	2.3545	19	0.1589	0
CBD (%AR)	003.30	Other LC-MS	190	2.21	2.343		2.28	-0.49	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	196	2.327	2.315	2.357	2.33	-0.14	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	191	2.3353	2.3355	2.3354	2.34	-0.12	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	192	2.5451	2.1927	2.2718	2.34	-0.11	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	162	2.342	2.3393	2.3623	2.35	-0.04	2.3545	19	0.1589	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	2.281	2.305	2.4705	2.35	-0.01	2.3545	19	0.1589	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBD (%AR)	003.03	AOAC 2018.11, M	139	2.428	2.333	2.4367	2.4	0.28	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	106	2.43	2.42	2.45	2.43	0.5	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	184	2.396	2.444	2.481	2.44	0.54	2.3545	19	0.1589	0
CBD (%AR)	003.99	Other	215	2.4921	2.3295	2.4871	2.44	0.51	2.3545	19	0.1589	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	2.519	2.493	2.5005	2.5	0.94	2.3545	19	0.1589	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	2.45	2.54	2.52	2.5	0.94	2.3545	19	0.1589	0
CBD (%AR)	003.30	Other LC-MS	122	2.5611	2.564	2.5625	2.56	1.31	2.3545	19	0.1589	0
CBD (%AR)	003.10	Other LC-UV	197	2.6668	2.6316	2.5327	2.61	1.61	2.3545	19	0.1589	0

CBDA (%AR)

CBDA (%AR)	004.99	Other	183	<0.0001	<0.0001	<0.0001	<0.0001					1
CBDA (%AR)	004.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300	<0.0300					1
CBDA (%AR)	004.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300	<0.0300					1
CBDA (%AR)	004.99	Other	215	<0.0500	<0.0500	<0.0500	<0.0500					1
CBDA (%AR)	004.10	Other LC-UV	192	0.0074	0.0225	0.0163	0.0154	-2.14	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	149	<0.0200	0.033	<0.0200	0.0243					1
CBDA (%AR)	004.10	Other LC-UV	189	0.0246	0.0236	0.0236	0.0239	-1.02	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	144	0.0289	0.0213	0.0272	0.0258	-0.77	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	197	0.0256	0.0276	0.0253	0.0262	-0.72	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	162	0.0266	0.0284	0.0301	0.0284	-0.43	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	196	0.0309	0.0299	0.0301	0.0303	-0.18	0.0317	14	0.0076	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	0.035	0.032	0.03	0.0323	0.09	0.0317	14	0.0076	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDA (%AR)	004.30	Other LC-MS	190	0.033	0.031		0.032	0.04	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	184	0.029	0.032	0.037	0.0327	0.13	0.0317	14	0.0076	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	0.0315	0.0342	0.0343	0.0333	0.22	0.0317	14	0.0076	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	0.0325	0.032	0.034	0.0328	0.15	0.0317	14	0.0076	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	0.0396	0.0384	0.0415	0.0398	1.08	0.0317	14	0.0076	0
CBDA (%AR)	004.10	Other LC-UV	191	0.0422	0.0425	0.0424	0.0424	1.41	0.0317	14	0.0076	0
CBDA (%AR)	004.30	Other LC-MS	122	0.0528	0.0356	0.041	0.0431	1.51	0.0317	14	0.0076	0
CBDA (%AR)	004.60	NIR	187	0.08			0.08					1

CBN (%AR)

CBN (%AR)	005.10	Other LC-UV	149	<0.0200	<0.0200	<0.0200	<0.0200					1
CBN (%AR)	005.10	Other LC-UV	144	0.0166	0.0183	0.014	0.0163	-3.89	0.0287	15	0.0032	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.025	0.0255	0.0255	0.0253	-1.05	0.0287	15	0.0032	0
CBN (%AR)	005.10	Other LC-UV	189	0.025	0.025	0.0249	0.025	-1.16	0.0287	15	0.0032	0
CBN (%AR)	005.30	GC-FID	138	0.0287	0.0318	<0.0200	0.0268	-0.58	0.0287	15	0.0032	0
CBN (%AR)	005.10	Other LC-UV	196	0.0277	0.0264	0.0287	0.0276	-0.33	0.0287	15	0.0032	0
CBN (%AR)	005.20	Other LC-MS	190	0.028	0.028		0.028	-0.21	0.0287	15	0.0032	0
CBN (%AR)	005.10	Other LC-UV	192	0.0307	0.026	0.0258	0.0275	-0.37	0.0287	15	0.0032	0
CBN (%AR)	005.10	Other LC-UV	197	0.028	0.0295	0.0283	0.0286	-0.02	0.0287	15	0.0032	0
CBN (%AR)	005.99	Other	183	0.0294	0.0292	0.0297	0.0294	0.24	0.0287	15	0.0032	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0293	0.0293	0.0299	0.0295	0.26	0.0287	15	0.0032	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.038	0.035	0.018	0.0303	0.53	0.0287	15	0.0032	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBN (%AR)	005.10	Other LC-UV	162	0.0296	0.0294	0.032	0.0303	0.53	0.0287	15	0.0032	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0317	0.03	0.0309	0.0309	0.69	0.0287	15	0.0032	0
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.03	0.04	0.0333	1.47	0.0287	15	0.0032	0
CBN (%AR)	005.20	Other LC-MS	122	0.0388	0.0373	0.038	0.038	2.95	0.0287	15	0.0032	0

Total Δ9-THC (%AR)

Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.029	0.029	0.026	0.028	-4.23	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.0475	0.0529	0.0503	0.0502	-2.22	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.99	Other	183	0.051	0.0498	0.0532	0.0513	-2.12	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.0712	0.0695	0.0702	0.0703	-0.41	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.0707	0.0673	0.0719	0.07	-0.44	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.0714	0.0769	0.0686	0.0723	-0.23	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0705	0.0735	0.073	0.0723	-0.23	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.0742	0.0707	0.071	0.072	-0.26	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.0715	0.074	0.07	0.0718	-0.27	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.0651	0.074	0.0795	0.0729	-0.18	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.0776	0.0725	0.0772	0.0758	0.08	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.0796	0.083	0.0702	0.0776	0.25	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.082	0.0802	0.0815	0.0812	0.57	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.084	0.085	0.074	0.081	0.55	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.079	0.079	0.088	0.082	0.64	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.0813	0.0818	0.0816	0.0816	0.6	0.0749	19	0.0111	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.0855	0.085	0.0845	0.085	0.91	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.0944	0.0869	0.0907	0.0907	1.42	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1005	0.0708	0.963	0.378	27.37	0.0749	19	0.0111	0
Total Δ9-THC (%AR)	006.60	NIR	187	1.29			1.29					1

Total CBD (%AR)

Total CBD (%AR)	007.60	NIR	187	0.45			0.45					1
Total CBD (%AR)	007.10	Other LC-UV	189	2.0022	1.991	1.991	1.99	-2.09	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	144	2.0507	2.0913	2.0547	2.07	-1.74	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	149	2.155	2.12	2.386	2.22	-0.99	2.424	17	0.2058	0
Total CBD (%AR)	007.99	Other	183	2.27	2.29	2.28	2.28	-0.7	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	192	2.5516	2.2125	2.2861	2.35	-0.36	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	196	2.354	2.341	2.383	2.36	-0.31	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	162	2.3653	2.3642	2.3887	2.37	-0.25	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	191	2.372	2.372	2.372	2.37	-0.25	2.424	17	0.2058	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	2.3117	2.3331	2.4968	2.38	-0.21	2.424	17	0.2058	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	2.4627	2.3667	2.4137	2.41	-0.05	2.424	17	0.2058	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	2.5475	2.5211	2.5303	2.53	0.53	2.424	17	0.2058	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	2.48	2.57	2.55	2.53	0.53	2.424	17	0.2058	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	2.508	2.602	2.57	2.56	0.66	2.424	17	0.2058	0
Total CBD (%AR)	007.30	Other LC-MS	122	2.6074	2.5952	2.5985	2.6	0.86	2.424	17	0.2058	0
Total CBD (%AR)	007.10	Other LC-UV	197	2.6893	2.6558	2.5549	2.63	1.02	2.424	17	0.2058	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%AR)	007.40	GC-FID	138	2.6108	2.624	2.6704	2.64	1.03	2.424	17	0.2058	0
Total CBD (%AR)	007.40	GC-FID	169	3.0112	2.9401	2.8249	2.93	2.44	2.424	17	0.2058	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0150	<0.0146	<0.0149	<0.0150					1
CBDV (%AR)	008.99	Other	106	<0.0300	<0.0300	<0.0300	<0.0300					1
CBDV (%AR)	008.99	Other	189	0.0085	0.0089	0.0083	0.0086					0
CBDV (%AR)	008.99	Other	162	0.0125	0.0128	0.0133	0.0129					0
CBDV (%AR)	008.99	Other	196	0.0133	0.0135	0.0142	0.0137					0
CBDV (%AR)	008.99	Other	183	0.0192	0.0186	0.0182	0.0187					0
CBDV (%AR)	008.02	AOAC 2018.11, U	199	0.0365	0.0415	0.0355	0.0378					0

CBDVA (%AR)

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

CBG (%AR)

CBG (%AR)	010.99	Other	196	0.0557	0.0527	0.0526	0.0537	-1.43	0.0688	10	0.0106	0
CBG (%AR)	010.99	Other	197	0.0582	0.0596	0.0593	0.059	-0.92	0.0688	10	0.0106	0
CBG (%AR)	010.99	Other	149	0.06	0.063	0.063	0.062	-0.64	0.0688	10	0.0106	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBG (%AR)	010.99	Other	162	0.0686	0.069	0.054	0.0639	-0.47	0.0688	10	0.0106	0
CBG (%AR)	010.99	Other	189	0.0673	0.0632	0.0643	0.0649	-0.37	0.0688	10	0.0106	0
CBG (%AR)	010.02	AOAC 2018.11, U	199	0.0755	0.072	0.072	0.0732	0.41	0.0688	10	0.0106	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.0785	0.078	0.0695	0.0753	0.61	0.0688	10	0.0106	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.0742	0.0774	0.0748	0.0755	0.63	0.0688	10	0.0106	0
CBG (%AR)	010.99	Other	106	0.08	0.08	0.08	0.08	1.05	0.0688	10	0.0106	0
CBG (%AR)	010.99	Other	183	0.0813	0.0793	0.0818	0.0808	1.13	0.0688	10	0.0106	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	183	<0.0001	<0.0001	<0.0001	<0.0001					1
CBGA (%AR)	011.99	Other	162	<0.0100	<0.0100	<0.0100	<0.0100					1
CBGA (%AR)	011.02	AOAC 2018.11, U	125	<0.0100	<0.0100	<0.0082	<0.0100					1
CBGA (%AR)	011.99	Other	197	<0.0150	<0.0146	<0.0149	<0.0150					1
CBGA (%AR)	011.02	AOAC 2018.11, U	199	<0.0200	<0.0200	<0.0200	<0.0200					1
CBGA (%AR)	011.99	Other	149	<0.0200	<0.0200	<0.0200	<0.0200					1
CBGA (%AR)	011.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
CBGA (%AR)	011.99	Other	106	<0.0300	<0.0300	<0.0300	<0.0300					1
CBGA (%AR)	011.99	Other	189	0.0059	0.0067	0.0061	0.0062					0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.0105	0.0105	0.01	0.0103					0

THCV (%AR)

THCV (%AR)	012.99	Other	183	<0.0002	<0.0002	<0.0002	<0.0002					1
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
THCV (%AR)	012.99	Other	197	<0.0150	<0.0146	<0.0149	<0.0150					1
THCV (%AR)	012.99	Other	149	<0.0200	<0.0200	<0.0200	<0.0200					1
THCV (%AR)	012.99	Other	196	<0.0210	<0.0210	<0.0210	<0.0210					1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300	<0.0300					1
THCV (%AR)	012.99	Other	189	0.0037	0.0013	0.0014	0.0021					0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	196	0.0929	0.0864	0.0892	0.0895	-1.4	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	189	0.0928	0.0916	0.091	0.0918	-1.23	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	149	0.1	0.1	0.11	0.103	-0.35	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	162	0.103	0.1087	0.1036	0.105	-0.21	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	183	0.1014	0.109	0.11	0.107	-0.08	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	197	0.1088	0.1097	0.1093	0.109	0.1	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.11	0.1105	0.1105	0.11	0.19	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	106	0.11	0.12	0.12	0.117	0.67	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	0.12	0.1168	0.1208	0.119	0.86	0.1079	10	0.0131	0
Δ8-THC (%AR)	013.99	Other	138	0.1249	0.1284	0.1278	0.127	1.46	0.1079	10	0.0131	0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.1072	0.1072	0.1073	0.107	-2.18	0.1238	9	0.0076	0
CBC (%AR)	014.99	Other	196	0.12	0.1153	0.1222	0.119	-0.61	0.1238	9	0.0076	0
CBC (%AR)	014.99	Other	197	0.124	0.1188	0.1148	0.119	-0.6	0.1238	9	0.0076	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBC (%AR)	014.99	Other	106	0.12	0.12	0.12	0.12	-0.5	0.1238	9	0.0076	0
CBC (%AR)	014.99	Other	162	0.1225	0.1235	0.1249	0.124	-0.02	0.1238	9	0.0076	0
CBC (%AR)	014.99	Other	149	0.121	0.127	0.131	0.126	0.34	0.1238	9	0.0076	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.131	0.127	0.132	0.13	0.82	0.1238	9	0.0076	0
CBC (%AR)	014.99	Other	183	0.13	0.129	0.131	0.13	0.82	0.1238	9	0.0076	0
CBC (%AR)	014.02	AOAC 2018.11, U	199	0.133	0.133	0.1335	0.133	1.24	0.1238	9	0.0076	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Cd (ug/g AR)	101.04	ICP-MS	196	<0.0240	<0.0240	<0.0240	<0.0240					1
Cd (ug/g AR)	101.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
Cd (ug/g AR)	101.04	ICP-MS	197	<0.0977	<0.0969	<0.0958	<0.0977					1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Cd (ug/g AR)	101.04	ICP-MS	102	0.0004	0.0002	0.0004	0.0003					0

As (ug/g AR)

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

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0070	<0.0070	<0.0070	<0.0070					1
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080	<0.0080					1
Hg (ug/g AR)	103.04	ICP-MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0977	<0.0969	<0.0958	<0.0977					1
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Hg (ug/g AR)	103.04	ICP-MS	102	0.0002	0.0002	0.0001	0.0002					0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Pb (ug/g AR)	104.04	ICP-MS	196	<0.0240	<0.0240	<0.0240	<0.0240					1
Pb (ug/g AR)	104.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
Pb (ug/g AR)	104.04	ICP-MS	197	<0.0977	<0.0969	<0.0958	<0.0977					1
Pb (ug/g AR)	104.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Pb (ug/g AR)	104.04	ICP-MS	102	0.0034	0.0052	0.0078	0.0055					0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	<0.4900	<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	<0.0720					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Ni (ug/g AR)	106.04	ICP-MS	183	0.0542	0.0366	0.0384	0.0431					0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	196	<0.0720	<0.0720	<0.0720	<0.0720					1
Cr (ug/g AR)	107.04	ICP-MS	197	<2.0000	<2.0000	<2.0000	<2.0000					1
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	196	<0.0960	<0.0960	<0.0960	<0.0960					1
Se (ug/g AR)	108.04	ICP-MS	197	<0.0977	<0.0969	<0.0958	<0.0977					1
Zn (ug/g AR)												
Zn (ug/g AR)	111.04	ICP-MS	196	<5.0000	<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	<0.0240					1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183	0.0498	0.053	0.0545	0.0524					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0155	0.0169	<0.0100	0.0141					0
beta-Caryophyllene (%)	202.02	GC,MS	183	0.0378	0.0379	0.0382	0.038					0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
(-)-Caryophyllene oxide	203.02	GC,MS	183	0.017	0.0179	0.0183	0.0177					0
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Geraniol (%AR)	204.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Geraniol (%AR)	204.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
alpha-Humulene (%AR)	205.02	GC,MS	183	0.0143	0.0144	0.0144	0.0144					0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
d-Limonene (%AR)	206.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Linalool (%AR)	207.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
beta-Myrcene (%AR)	208.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Ocimene (%AR)	210.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Pinene (%AR)	211.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinene (%AR)	213.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
gamma-Terpinene (%A	214.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinolene (%A	215.02	GC,MS	183	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Moisture (%AR)												
Moisture (%AR)	500.99	Other	102	0	0	0	0					2

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THC (%DW)												
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.069	0.066	0.066	0.067					0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.11	0.116	0.11	0.112					0
Δ9-THCA (%DW)												
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	<0.0240	<0.0240	<0.0240	<0.0240					1
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0	0.01	0.008	0.009					0
CBD (%DW)												
CBD (%DW)	503.01	AOAC 2018.10	210	2.986	2.912	3.017	2.97					0
CBDA (%DW)												
CBDA (%DW)	504.01	AOAC 2018.10	210	<0.0450	<0.0480	<0.0460	<0.0450					1
CBN (%DW)												
CBN (%DW)	505.02	AOAC 2018.11, U	210	<0.0240	<0.0240	<0.0230	<0.0240					1
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.069	0.066	0.066	0.067					0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.11	0.126	0.11	0.115					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%DW)												
Total CBD (%DW)	507.01	AOAC 2018.10	210	2.986	2.912	3.017	2.97					0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0460	<0.0450	<0.0430	<0.0460					1
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	<0.0480	<0.0480	<0.0460	<0.0480					1
CBG (%DW)												
CBG (%DW)	510.01	AOAC 2018.10	210	0.057	0.063	0.05	0.0567					0
CBGA (%DW)												
CBGA (%DW)	511.01	AOAC 2018.10	210	<0.0480	<0.0480	<0.0460	<0.0480					1
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0460	<0.0450	<0.0430	<0.0460					1
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.096	0.093	0.096	0.095					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			CBC (%DW)									
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.123	0.12	0.121	0.121					0

1. Flag definitions: 1 (Lab Value not used because there were less than 2 numeric lab results), 2 (Lab Value not used because there were less than 2 numeric lab results greater than 0).

2. Robust statistics performed to determine robust mean and Z scores only if there were 6 or more numeric lab values.

3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.