

Hemp Proficiency Testing

All Labs Precision

OL24SEP-1 (oil)



Sample: OL24SEP-1 (oil)

All Labs Precision

Issue Date: November 11, 2024

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)	001.10	Other LC-UV	106	0.1700	0.1700	0.1700	0	0	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	142	0.1860	0.1860	0.1850	0.31	0.06	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.1947	0.1920	0.1931	0.7	0.14	2.95	0	24.2	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.2265	0.2245	0.2280	0.78	0.16	2.95	0	24.2	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	228	0.0791	0.0802	0.0786	1.03	0.18	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.2090	0.2100	0.2060	1	0.2	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.2440	0.2392	0.2401	1.06	0.21	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1917	0.1868	0.1895	1.3	0.25	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	173	0.2050	0.1980	0.1980	2.02	0.4	2.95	0	24.2	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.1756	0.1693	0.1667	2.68	0.52	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	213	0.0810	0.0760	0.0790	3.2	0.55	2.95	0	24.2	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.1690	0.1790	0.1750	2.89	0.56	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.2081	0.2091	0.2193	2.92	0.58	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.1890	0.1828	0.1942	3.03	0.59	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1657	0.1778	0.1732	3.55	0.68	2.95	0	24.2	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)	001.01	AOAC 2018.10	210	0.1760	0.1860	0.1880	3.51	0.68	2.95	0	24.2	0
Δ9-THC (%AR)	001.30	Other LC-MS	149	0.1880	0.2000	0.1880	3.61	0.71	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.1660	0.1640	0.1530	4.35	0.83	2.95	0	24.2	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.1842	0.1721	0.1867	4.31	0.84	2.95	0	24.2	0
Δ9-THC (%AR)	001.99	Other	183	0.1899	0.1745	0.1862	4.38	0.85	2.95	0	24.2	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.2661	0.2868	0.2968	5.53	1.15	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.2102	0.2248	0.1783	11.6	2.3	2.95	0	24.2	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.2120	0.1644	0.1709	14.1	2.75	2.95	0	24.2	0
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.2140	0.1650	0.1320	24.2	4.65	2.95	0	24.2	0

Δ9-THCA (%AR)

Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	<0.0020	<0.0018	<0.0018						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	<0.0003	<0.0003	<0.0003						1
Δ9-THCA (%AR)	002.30	Other LC-MS	149	<0.0040	<0.0040	<0.0040						1
Δ9-THCA (%AR)	002.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125						1
Δ9-THCA (%AR)	002.10	Other LC-UV	149	<0.0400	<0.0400	<0.0400						1
Δ9-THCA (%AR)	002.10	Other LC-UV	142	<0.0040	<0.0040	<0.0040						1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0152	<0.0150	0.0149						1
Δ9-THCA (%AR)	002.10	Other LC-UV	183	<0.0020	<0.0020	<0.0020						1
Δ9-THCA (%AR)	002.01	AOAC 2018.10	210	<0.0240	<0.0240	<0.0240						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)	002.99	Other	183	<0.0020	<0.0020	<0.0020	0					1
Δ9-THCA (%AR)	002.10	Other LC-UV	163	<0.0200	<0.0200	<0.0200						1
Δ9-THCA (%AR)	002.10	Other LC-UV	173	0.0000	0.0000	0.0000						0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.10	Other LC-UV	162	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.10	Other LC-UV	196	<0.0050	<0.0050	<0.0050						1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	<0.0200	<0.0200	<0.0190						1
Δ9-THCA (%AR)	002.10	Other LC-UV	184	<0.0100	<0.0100	<0.0100						1
Δ9-THCA (%AR)	002.01	AOAC 2018.10	228	0.0748	0.0757	0.0712						0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0057	0.0031	0.0124	67.9	8.1				0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0000	0.0000	0.0043	173	16.25				0

CBD (%AR)												
CBD (%AR)	003.10	Other LC-UV	189	6.7264	6.7195	6.7363	0.13	0.04	1.4	0.13	21	0
CBD (%AR)	003.01	AOAC 2018.10	228	2.3601	2.3511	2.3625	0.26	0.07	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	142	7.6600	7.7000	7.7000	0.3	0.1	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	173	6.9970	7.0440	6.9850	0.44	0.15	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	197	7.5669	7.5898	7.5089	0.55	0.19	1.4	0.13	21	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	7.6165	7.6910	7.6165	0.56	0.19	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	170	6.6177	6.5285	6.5602	0.69	0.23	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	183	7.2522	7.1677	7.2605	0.71	0.24	1.4	0.13	21	0
CBD (%AR)	003.30	Other LC-MS	190	6.6450	6.7340	6.6520	0.74	0.25	1.4	0.13	21	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%AR)	003.99	Other	183	7.3792	7.2603	7.3259	0.81	0.27	1.4	0.13	21	0
CBD (%AR)	003.01	AOAC 2018.10	210	7.3160	7.3290	7.2170	0.84	0.28	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	196	7.1661	7.2943	7.2344	0.89	0.3	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	162	7.1044	6.9815	6.9581	1.12	0.38	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	149	6.2660	6.2250	6.1200	1.21	0.4	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	106	7.4200	7.2700	7.2600	1.22	0.41	1.4	0.13	21	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	7.2748	7.4401	7.4452	1.31	0.44	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	163	8.9200	8.9700	9.1700	1.47	0.51	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	213	6.3750	6.0910	6.1590	2.39	0.79	1.4	0.13	21	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	7.0071	6.5985	7.0822	3.77	1.26	1.4	0.13	21	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	6.7970	7.1249	7.5444	5.24	1.76	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	192	7.7542	8.1019	6.9697	7.62	2.59	1.4	0.13	21	0
CBD (%AR)	003.30	Other LC-MS	149	7.3170	7.6610	6.5130	8.22	2.77	1.4	0.13	21	0
CBD (%AR)	003.10	Other LC-UV	184	8.0260	5.2449	6.5825	21	6.99	1.4	0.13	21	0

CBDA (%AR)												
CBDA (%AR)	004.10	Other LC-UV	192	0.0000	0.0000	0.0000	0		5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	149	<0.0400	<0.0400	<0.0400						1
CBDA (%AR)	004.10	Other LC-UV	173	<0.1410	<0.1530	<0.1560						1
CBDA (%AR)	004.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500						1
CBDA (%AR)	004.10	Other LC-UV	170	<0.0300	<0.0300	<0.0300						1
CBDA (%AR)	004.10	Other LC-UV	106	0.0300	0.0300	0.0300	0	0	5	0	25	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDA (%AR)	004.10	Other LC-UV	142	0.0323	0.0315	0.0313	1.67	0.25	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	183	0.0425	0.0412	0.0422	1.62	0.25	5	0	25	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	0.0369	0.0373	0.0383	1.92	0.29	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	184	0.0520	0.0514	0.0501	1.9	0.3	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	196	0.0258	0.0248	0.0257	2.17	0.31	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	163	0.0450	0.0460	0.0440	2.22	0.35	5	0	25	0
CBDA (%AR)	004.01	AOAC 2018.10	210	0.0330	0.0350	0.0350	3.36	0.51	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	197	0.0268	0.0288	0.0272	3.83	0.56	5	0	25	0
CBDA (%AR)	004.30	Other LC-MS	149	0.0250	0.0260	0.0240	4	0.58	5	0	25	0
CBDA (%AR)	004.01	AOAC 2018.10	228	0.0322	0.0309	0.0341	4.97	0.74	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	162	0.0335	0.0286	0.0308	7.93	1.18	5	0	25	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	0.0327	0.0324	0.0393	11.2	1.7	5	0	25	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	0.0566	0.0442	0.0489	12.5	2.01	5	0	25	0
CBDA (%AR)	004.10	Other LC-UV	189	0.0369	0.0297	0.0279	15.1	2.26	5	0	25	0
CBDA (%AR)	004.30	Other LC-MS	190	0.0350	0.0280	0.0210	25	3.66	5	0	25	0

CBN (%AR)

CBN (%AR)	005.30	GC-FID	163	<0.0200	<0.0200	<0.0200						1
CBN (%AR)	005.10	Other LC-UV	149	<0.0400	<0.0400	<0.0400						1
CBN (%AR)	005.10	Other LC-UV	173	<0.1410	<0.1530	<0.1560						1
CBN (%AR)	005.02	AOAC 2018.11, U	199	<0.0500	0.0500	<0.0500						1
CBN (%AR)	005.10	Other LC-UV	106	0.0400	0.0400	0.0400	0	0	3.86	0	18.4	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	189	0.0382	0.0385	0.0381	0.54	0.08	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	142	0.0400	0.0406	0.0403	0.74	0.12	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	183	0.0445	0.0441	0.0449	0.9	0.14	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	197	0.0386	0.0392	0.0392	0.89	0.14	3.86	0	18.4	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0372	0.0377	0.0387	2.02	0.31	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	196	0.0376	0.0361	0.0376	2.33	0.36	3.86	0	18.4	0
CBN (%AR)	005.20	Other LC-MS	149	0.0360	0.0370	0.0350	2.78	0.42	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	213	0.0340	0.0340	0.0360	3.33	0.5	3.86	0	18.4	0
CBN (%AR)	005.99	Other	183	0.0428	0.0394	0.0417	4.2	0.65	3.86	0	18.4	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0474	0.0486	0.0520	4.84	0.77	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	162	0.0371	0.0407	0.0415	5.89	0.91	3.86	0	18.4	0
CBN (%AR)	005.10	Other LC-UV	192	0.0554	0.0604	0.0476	11.8	1.92	3.86	0	18.4	0
CBN (%AR)	005.30	GC-FID	138	0.0416	0.0577	0.0493	16.3	2.6	3.86	0	18.4	0
CBN (%AR)	005.20	Other LC-MS	190	0.0380	0.0280	0.0280	18.4	2.75	3.86	0	18.4	0

Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.40	GC-FID	163	<0.0200	<0.0200	<0.0200						1
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.1860	0.1860	0.1850	0.31	0.06	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.1947	0.1920	0.1931	0.7	0.14	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.2265	0.2245	0.2280	0.78	0.16	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	173	0.2050	0.1980	0.1980	2.02	0.4	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1756	0.1693	0.1667	2.68	0.52	3.57	0.31	24.2	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)	006.50	GC-MS	170	0.1965	0.2058	0.1970	2.62	0.52	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.1690	0.1790	0.1750	2.89	0.56	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.1967	0.1894	0.2004	2.86	0.56	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.2080	0.2090	0.2190	2.87	0.57	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.1813	0.1776	0.1881	2.92	0.57	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.1890	0.1828	0.1942	3.03	0.59	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	210	0.1970	0.2070	0.2090	3.15	0.62	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	149	0.1880	0.2000	0.1880	3.61	0.71	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.1660	0.1640	0.1530	4.35	0.83	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.1842	0.1721	0.1867	4.31	0.84	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.99	Other	183	0.1899	0.1745	0.1862	4.38	0.85	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1657	0.1778	0.1863	5.86	1.13	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2661	0.2868	0.2968	5.53	1.15	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.1740	0.1920	0.1970	6.45	1.26	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.2102	0.2248	0.1821	10.6	2.09	3.57	0.31	24.2	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	190	0.2140	0.1650	0.1320	24.2	4.65	3.57	0.31	24.2	0

Total CBD (%AR)												
Total CBD (%AR)	007.10	Other LC-UV	189	6.7587	6.7455	6.7608	0.12	0.04	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	142	7.6900	7.7300	7.7300	0.3	0.1	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	173	7.0496	7.1019	7.0446	0.45	0.15	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	197	7.5904	7.6151	7.5327	0.56	0.19	1.95	0.12	8.21	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)	007.02	AOAC 2018.11, U	199	7.6384	7.7129	7.6384	0.56	0.19	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	183	7.2895	7.2038	7.2976	0.72	0.24	1.95	0.12	8.21	0
Total CBD (%AR)	007.30	Other LC-MS	190	6.6757	6.7586	6.6704	0.74	0.25	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	196	7.1887	7.3160	7.2570	0.88	0.3	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	162	7.1340	7.0070	6.9850	1.14	0.38	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	149	6.2660	6.2250	6.1200	1.21	0.4	1.95	0.12	8.21	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	7.3244	7.4789	7.4881	1.24	0.42	1.95	0.12	8.21	0
Total CBD (%AR)	007.40	GC-FID	163	6.9500	7.1400	7.0900	1.4	0.47	1.95	0.12	8.21	0
Total CBD (%AR)	007.01	AOAC 2018.10	210	7.4890	7.3600	7.2480	1.64	0.55	1.95	0.12	8.21	0
Total CBD (%AR)	007.40	GC-FID	138	8.5155	8.8089	8.8845	2.23	0.77	1.95	0.12	8.21	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	7.0395	6.6312	7.1158	3.76	1.26	1.95	0.12	8.21	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	6.8256	7.1533	7.5788	5.26	1.77	1.95	0.12	8.21	0
Total CBD (%AR)	007.50	GC-MS	170	7.9093	8.8064	8.4193	5.37	1.85	1.95	0.12	8.21	0
Total CBD (%AR)	007.10	Other LC-UV	192	7.7542	8.1019	6.9697	7.62	2.59	1.95	0.12	8.21	0
Total CBD (%AR)	007.30	Other LC-MS	149	7.3390	7.6840	6.5340	8.21	2.77	1.95	0.12	8.21	0

CBDV (%AR)												
CBDV (%AR)	008.99	Other	173	<0.1410	<0.1530	<0.1560						1
CBDV (%AR)	008.99	Other	106	0.0800	0.0800	0.0800	0	0	2.9	0	13.9	0
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.0724	0.0717	0.0709	1.05	0.18	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	142	0.0823	0.0820	0.0804	1.25	0.22	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	196	0.0611	0.0594	0.0611	1.62	0.27	2.9	0	13.9	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDV (%AR)	008.99	Other	149	0.0630	0.0660	0.0640	2.37	0.39	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	183	0.0643	0.0615	0.0647	2.75	0.46	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	189	0.0692	0.0654	0.0709	4.11	0.69	2.9	0	13.9	0
CBDV (%AR)	008.02	AOAC 2018.11, U	210	0.0640	0.0700	0.0660	4.58	0.77	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	197	0.0437	0.0416	0.0459	4.92	0.77	2.9	0	13.9	0
CBDV (%AR)	008.99	Other	162	0.0793	0.0744	0.0602	13.9	2.35	2.9	0	13.9	0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	142	<0.0040	<0.0040	<0.0040						1
CBDVA (%AR)	009.99	Other	196	<0.0050	<0.0050	<0.0050						1
CBDVA (%AR)	009.99	Other	197	<0.0102	<0.0100	<0.0980						1
CBDVA (%AR)	009.99	Other	173	0.0000	0.0000	0.0000	0					0
CBDVA (%AR)	009.02	AOAC 2018.11, U	183	<0.0010	<0.0010	<0.0010						1
CBDVA (%AR)	009.01	AOAC 2018.10	210	<0.0240	<0.0240	<0.0240						1

CBG (%AR)

CBG (%AR)	010.99	Other	173	<0.1410	<0.1530	<0.1560						1
CBG (%AR)	010.99	Other	106	0.0800	0.0800	0.0800	0	0	2.59	0	15.4	0
CBG (%AR)	010.99	Other	142	0.0851	0.0849	0.0844	0.42	0.07	2.59	0	15.4	0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.0960	0.0948	0.0956	0.64	0.11	2.59	0	15.4	0
CBG (%AR)	010.99	Other	149	0.0700	0.0720	0.0700	1.63	0.28	2.59	0	15.4	0
CBG (%AR)	010.99	Other	183	0.0933	0.0905	0.0899	1.99	0.35	2.59	0	15.4	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBG (%AR)	010.01	AOAC 2018.10	210	0.0950	0.0930	0.0910	2.15	0.38	2.59	0	15.4	0
CBG (%AR)	010.99	Other	196	0.0810	0.0775	0.0781	2.37	0.41	2.59	0	15.4	0
CBG (%AR)	010.99	Other	189	0.1095	0.1052	0.1014	3.85	0.69	2.59	0	15.4	0
CBG (%AR)	010.99	Other	162	0.0756	0.0712	0.0770	4.06	0.69	2.59	0	15.4	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.0920	0.1021	0.0999	5.42	0.96	2.59	0	15.4	0
CBG (%AR)	010.99	Other	197	0.0857	0.1170	0.1022	15.4	2.74	2.59	0	15.4	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	106	<0.0300	<0.0300	<0.0300						1
CBGA (%AR)	011.02	AOAC 2018.11, U	183	<0.0010	<0.0010	<0.0010						1
CBGA (%AR)	011.99	Other	196	<0.0050	<0.0050	<0.0050						1
CBGA (%AR)	011.99	Other	162	<0.0100	<0.0100	<0.0100						1
CBGA (%AR)	011.02	AOAC 2018.11, U	125	<0.0020	<0.0018	<0.0018						1
CBGA (%AR)	011.99	Other	142	<0.0040	<0.0040	<0.0040						1
CBGA (%AR)	011.01	AOAC 2018.10	210	<0.0240	<0.0240	<0.0240						1
CBGA (%AR)	011.99	Other	197	<0.0102	<0.0100	<0.0980						1
CBGA (%AR)	011.99	Other	173	0.0000	0.0000	0.0000	0					0
CBGA (%AR)	011.99	Other	189	0.0119	0.0122	0.0105	7.87	1.01				0

THCV (%AR)

THCV (%AR)	012.99	Other	197	<0.0102	<0.0100	<0.0980						1
THCV (%AR)	012.99	Other	142	<0.0040	<0.0040	<0.0040						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	196	<0.0050	<0.0050	<0.0050						1
THCV (%AR)	012.02	AOAC 2018.11, U	183	<0.0020	<0.0020	<0.0020						1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300						1
THCV (%AR)	012.99	Other	173	0.0000	0.0000	0.0000	0					0
THCV (%AR)	012.99	Other	183	<0.0200	<0.0200	<0.0200						1
THCV (%AR)	012.02	AOAC 2018.11, U	210	<0.0230	<0.0230	<0.0230						1
THCV (%AR)	012.99	Other	189	0.0340	0.0319	0.0267	12.2	1.81				0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125						1
Δ8-THC (%AR)	013.99	Other	173	0.0000	0.0000	0.0000	0					0
Δ8-THC (%AR)	013.99	Other	197	<0.0152	0.0156	<0.0144						1
Δ8-THC (%AR)	013.99	Other	183	<0.0200	<0.0200	<0.0200						1
Δ8-THC (%AR)	013.99	Other	196	<0.0050	<0.0050	<0.0050						1
Δ8-THC (%AR)	013.99	Other	106	<0.0300	<0.0300	<0.0300						1
Δ8-THC (%AR)	013.99	Other	162	<0.0100	<0.0100	<0.0100						1
Δ8-THC (%AR)	013.99	Other	142	<0.0040	<0.0040	<0.0040						1
Δ8-THC (%AR)	013.01	AOAC 2018.10	210	<0.0230	<0.0230	<0.0230						1
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	183	<0.0030	<0.0030	<0.0030						1
Δ8-THC (%AR)	013.99	Other	189	0.0194	0.0178	0.0185	4.32	0.6				0
Δ8-THC (%AR)	013.99	Other	138	0.0599	0.0607	0.0562	4.07	0.67				0
Δ8-THC (%AR)	013.01	AOAC 2018.10	228	0.1084	0.1097	0.0997	5.13	0.92				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBC (%AR)												
CBC (%AR)	014.99	Other	106	0.3200	0.3200	0.3200	0	0	0.93	0	2.36	0
CBC (%AR)	014.99	Other	173	0.3350	0.3370	0.3360	0.3	0.06	0.93	0	2.36	0
CBC (%AR)	014.99	Other	189	0.3734	0.3710	0.3719	0.33	0.07	0.93	0	2.36	0
CBC (%AR)	014.99	Other	142	0.3220	0.3240	0.3220	0.36	0.08	0.93	0	2.36	0
CBC (%AR)	014.99	Other	183	0.3452	0.3418	0.3447	0.53	0.11	0.93	0	2.36	0
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.3477	0.3437	0.3434	0.7	0.15	0.93	0	2.36	0
CBC (%AR)	014.99	Other	197	0.3281	0.3240	0.3225	0.89	0.19	0.93	0	2.36	0
CBC (%AR)	014.99	Other	149	0.2900	0.2920	0.2850	1.25	0.26	0.93	0	2.36	0
CBC (%AR)	014.99	Other	196	0.3204	0.3103	0.3169	1.62	0.34	0.93	0	2.36	0
CBC (%AR)	014.99	Other	162	0.3378	0.3266	0.3393	2.07	0.44	0.93	0	2.36	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.3273	0.3355	0.3431	2.36	0.5	0.93	0	2.36	0
Cd (ug/g AR)												
Cd (ug/g AR)	101.04	ICP-MS	197	<0.0980	<0.0980	<0.0982						1
Cd (ug/g AR)	101.04	ICP-MS	142	<0.0100	<0.0100	<0.0100						1
Cd (ug/g AR)	101.04	ICP-MS	102	<0.0032	<0.0032	<0.0032						1
Cd (ug/g AR)	101.04	ICP-MS	196	<0.0482	<0.0482	<0.0482						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	106	<0.0800	<0.0800	<0.0800						1
Cd (ug/g AR)	101.04	ICP-MS	183	<0.0010	<0.0010	<0.0010						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
As (ug/g AR)												
As (ug/g AR)	102.04	ICP-MS	196	<0.0963	<0.0963	<0.0963						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	102	<0.0032	<0.0032	<0.0032						1
As (ug/g AR)	102.04	ICP-MS	197	<0.0980	<0.0980	<0.0982						1
As (ug/g AR)	102.04	ICP-MS	183	<0.0020	<0.0020	<0.0020						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	142	0.0117	0.0102	0.0117	7.73	0.99				0
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0980	<0.0980	<0.0982						1
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080						1
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0145	<0.0145	<0.0145						1
Hg (ug/g AR)	103.04	ICP-MS	183	<0.0120	<0.0120	<0.0120						1
Hg (ug/g AR)	103.04	ICP-MS	142	<0.0100	<0.0100	<0.0100						1
Hg (ug/g AR)	103.99	Other	102	0.0040	0.0025	0.0030	24.1	2.55				0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	197	<0.0980	<0.0980	<0.0982						1
Pb (ug/g AR)	104.04	ICP-MS	183	<0.0020	<0.0020	<0.0020						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Pb (ug/g AR)	104.04	ICP-MS	142	<0.0100	<0.0100	<0.0100						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	106	<0.0800	<0.0800	<0.0800						1
Pb (ug/g AR)	104.04	ICP-MS	196	<0.0482	<0.0482	<0.0482						1
Pb (ug/g AR)	104.04	ICP-MS	102	0.0025	0.0043	0.0025	33.5	3.53				0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	<0.9790	<0.9790	<0.9790						1
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	196	<0.1445	<0.1445	<0.1445						1
Ni (ug/g AR)	106.04	ICP-MS	183	0.0914	0.2610	0.1230	56.9	10.82				0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	196	<0.1448	<0.1448	<0.1448						1
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	197	<0.0980	<0.0980	<0.0982						1
Se (ug/g AR)	108.04	ICP-MS	196	<0.1927	<0.1927	<0.1927						1
Zn (ug/g AR)												
Zn (ug/g AR)	111.04	ICP-MS	196	<10.0000	<10.0000	<10.0000						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Sb (ug/g AR)												
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0482	<0.0482	<0.0482						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	0.0750	0.0772	0.0727	3	0.51				0
(-)-alpha-Bisabolol (%A	201.01	GC,FID	142	0.0877	0.1110	0.1080	12.4	2.21				0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	196	0.1313	0.1333	0.1277	2.17	0.4				0
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0666	0.0602	0.0601	5.98	0.99				0
beta-Caryophyllene (%)	202.01	GC,FID	142	0.1430	0.1810	0.1750	12.3	2.35				0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	196	0.0332	0.0326	0.0313	3	0.45				0
(-)-Caryophyllene oxide	203.01	GC,FID	142	0.0335	0.0414	0.0394	10.8	1.65				0
Geraniol (%AR)												
Geraniol (%AR)	204.01	GC,FID	142	<0.0010	<0.0010	<0.0010						1
Geraniol (%AR)	204.02	GC,MS	196	<0.5040	<0.5040	<0.5040						1
Geraniol (%AR)	204.02	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	
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	0.0446	0.0464	0.0437	3.06	0.48				0
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0215	0.0189	0.0192	7.16	1				0
alpha-Humulene (%AR)	205.01	GC,FID	142	0.0671	0.0884	0.0852	14.3	2.46				0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	196	0.9351	0.9533	0.9289	1.35	0.34				0
d-Limonene (%AR)	206.02	GC,MS	162	1.0713	1.1006	1.0400	2.83	0.72				0
d-Limonene (%AR)	206.01	GC,FID	142	1.0400	1.3000	1.2800	12	3.09				0
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	196	0.0133	0.0128	0.0143	5.67	0.74				0
Linalool (%AR)	207.02	GC,MS	162	0.0164	0.0147	0.0143	7.37	0.98				0
Linalool (%AR)	207.01	GC,FID	142	0.0160	0.0196	0.0190	10.6	1.46				0
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	162	0.0147	0.0144	0.0145	1.05	0.14				0
beta-Myrcene (%AR)	208.02	GC,MS	196	0.0116	0.0126	0.0124	4.34	0.56				0
beta-Myrcene (%AR)	208.01	GC,FID	142	0.0137	0.0169	0.0172	12.2	1.64				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Nopinene (%AR)									
Nopinene (%AR)	209.01	GC,FID	142	0.0498	0.0618	0.0609	11.6	1.9				0
			Ocimene (%AR)									
Ocimene (%AR)	210.01	GC,FID	142	<0.0010	<0.0010	<0.0010						1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Ocimene (%AR)	210.02	GC,MS	196	<0.0078	<0.0078	<0.0078						1
			alpha-Pinene (%AR)									
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)	211.02	GC,MS	196	0.0098	0.0101	0.0099	1.54	0.19				0
alpha-Pinene (%AR)	211.01	GC,FID	142	0.0117	0.0140	0.0139	9.85	1.29				0
			(-)-beta-Pinene (%AR)									
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	0.0509	0.0507	0.0505	0.39	0.06				0
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	0.0393	0.0399	0.0393	0.88	0.14				0
			alpha-Terpinene (%AR)									
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0078	<0.0078	<0.0078						1
alpha-Terpinene (%AR)	213.01	GC,FID	142	<0.0010	<0.0010	<0.0010						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			gamma-Terpinene (%AR)									
gamma-Terpinene (%A	214.02	GC,MS	196	0.0371	0.0380	0.0376	1.2	0.18				0
gamma-Terpinene (%A	214.02	GC,MS	162	0.0387	0.0372	0.0371	2.38	0.36				0
			alpha-Terpinolene (%AR)									
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0078	<0.0078	<0.0078						1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%A	215.01	GC,FID	142	0.0075	0.0093	0.0092	11.7	1.43				0
			Moisture (%AR)									
Moisture (%AR)	500.99	Other	142	4.5000	4.0000	4.7000	8.19	2.56				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