

Hemp Proficiency Testing

All Labs Precision

HM24SEP-1 (hemp)



Sample: HM24SEP-1 (hemp)

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)	001.30	Other LC-MS	122	<0.5000	<0.5000	<0.5000						1
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.1852	0.1842	0.1837	0.41	0.08	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.1830	0.1845	0.1845	0.47	0.09	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.1793	0.1785	0.1807	0.62	0.12	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	213	0.0750	0.0760	0.0750	0.77	0.13	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1844	0.1869	0.1844	0.78	0.15	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.2167	0.2138	0.2166	0.76	0.15	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.99	Other	183	0.1737	0.1763	0.1736	0.88	0.17	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1634	0.1588	0.1606	1.44	0.27	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.1523	0.1551	0.1507	1.46	0.28	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.1740	0.1740	0.1790	1.64	0.32	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.1602	0.1581	0.1634	1.66	0.32	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.1460	0.1450	0.1410	1.84	0.34	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.1420	0.1370	0.1380	1.9	0.35	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	228	0.2421	0.2511	0.2444	1.9	0.39	3.01	0.41	29.6	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)	001.10	Other LC-UV	196	0.1619	0.1682	0.1676	2.1	0.4	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.1675	0.1594	0.1640	2.48	0.47	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.1585	0.1656	0.1654	2.48	0.47	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.1707	0.1798	0.1758	2.6	0.5	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1538	0.1600	0.1624	2.8	0.53	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1521	0.1608	0.1551	2.83	0.54	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.30	Other LC-MS	149	0.1610	0.1630	0.1530	3.33	0.63	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.1570	0.1550	0.1650	3.33	0.63	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.1415	0.1319	0.1374	3.52	0.65	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.1500	0.1400	0.1500	3.94	0.74	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.1313	0.1219	0.1202	4.8	0.88	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1360	0.1316	0.1234	4.91	0.91	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.1777	0.1914	0.1959	5.03	0.98	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.2111	0.2273	0.2017	6.07	1.21	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.1590	0.1440	0.1660	7.19	1.36	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	173	0.1900	0.1790	0.1610	8.29	1.6	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.1740	0.1730	0.1440	10.4	1.99	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1540	0.1543	0.2320	25	4.84	3.01	0.41	29.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1632	0.1745	0.2728	29.6	5.85	3.01	0.41	29.6	0

Δ9-THCA (%AR)												
Δ9-THCA (%AR)	002.30	Other LC-MS	102	<0.0500	<0.0480	<0.0500						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)	002.10	Other LC-UV	173	<0.1590	<0.1500	<0.1580						1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0503	<0.0526	<0.0508						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	161	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.30	Other LC-MS	122	<0.5000	<0.5000	<0.5000						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.0400	0.0400	0.0400	0	0	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0481	0.0492	0.0487	1.13	0.18	5.4	0	29.8	0
Δ9-THCA (%AR)	002.99	Other	183	0.0530	0.0540	0.0529	1.14	0.18	5.4	0	29.8	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.0451	0.0437	0.0443	1.58	0.25	5.4	0	29.8	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.0586	0.0572	0.0568	1.64	0.27	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	213	0.0106	0.0104	0.0100	2.96	0.37	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0444	0.0468	0.0464	2.8	0.44	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.0419	0.0437	0.0412	3.05	0.48	5.4	0	29.8	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.0340	0.0350	0.0362	3.14	0.48	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	163	0.0260	0.0270	0.0280	3.7	0.54	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.0478	0.0483	0.0511	3.62	0.58	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	149	0.0380	0.0370	0.0350	4.17	0.64	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0480	0.0465	0.0440	4.38	0.69	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0403	0.0442	0.0427	4.64	0.72	5.4	0	29.8	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.0560	0.0530	0.0510	4.72	0.76	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0492	0.0443	0.0464	5.27	0.83	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	183	0.0571	0.0518	0.0531	5.12	0.83	5.4	0	29.8	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.0528	0.0481	0.0530	5.41	0.87	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.2353	0.2187	0.2368	4.36	0.88	5.4	0	29.8	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0548	0.0485	0.0509	6.19	0.99	5.4	0	29.8	0
Δ9-THCA (%AR)	002.30	Other LC-MS	149	0.0490	0.0410	0.0470	9.12	1.44	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0469	0.0507	0.0563	9.22	1.48	5.4	0	29.8	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0591	0.0436	0.0522	15	2.42	5.4	0	29.8	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0512	0.0508	0.0701	19.2	3.14	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0379	0.0323	0.0221	26	3.87	5.4	0	29.8	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.0628	0.0465	0.0376	26.1	4.16	5.4	0	29.8	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.0580	0.0543	0.0910	29.8	4.99	5.4	0	29.8	0

CBD (%AR)												
CBD (%AR)	003.10	Other LC-UV	189	4.3703	4.3600	4.3665	0.12	0.04	2.02	0.12	8.71	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	4.5375	4.5825	4.5845	0.58	0.18	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	163	4.6700	4.6140	4.6320	0.62	0.19	2.02	0.12	8.71	0
CBD (%AR)	003.30	Other LC-MS	164	4.5093	4.5215	4.5655	0.65	0.21	2.02	0.12	8.71	0
CBD (%AR)	003.01	AOAC 2018.10	228	8.7542	8.6955	8.6509	0.6	0.21	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	116	4.3713	4.3908	4.4512	0.95	0.3	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	213	4.6830	4.7560	4.6530	1.13	0.36	2.02	0.12	8.71	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	4.3237	4.3981	4.4314	1.26	0.39	2.02	0.12	8.71	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	4.4814	4.3578	4.4127	1.4	0.44	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	155	3.9200	3.8600	3.9800	1.53	0.47	2.02	0.12	8.71	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	4.5903	4.5662	4.4530	1.62	0.51	2.02	0.12	8.71	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	3.7932	3.6942	3.6719	1.74	0.53	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	106	4.3400	4.3200	4.4700	1.86	0.58	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	197	4.4643	4.6063	4.6264	1.94	0.61	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	183	4.5180	4.3470	4.3514	2.21	0.69	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	173	3.7660	3.7060	3.6000	2.28	0.69	2.02	0.12	8.71	0
CBD (%AR)	003.30	Other LC-MS	149	4.0020	3.8330	3.8340	2.5	0.77	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	196	4.2940	4.1306	4.3347	2.54	0.79	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	170	4.5568	4.3604	4.3377	2.73	0.85	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	184	4.3107	4.2130	4.0723	2.85	0.89	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	149	3.2590	3.4340	3.4920	3.57	1.08	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	192	6.1850	5.7990	6.1804	3.66	1.2	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	144	4.5317	4.9023	4.7898	4.01	1.27	2.02	0.12	8.71	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	4.2406	3.9418	3.7236	6.54	2.02	2.02	0.12	8.71	0
CBD (%AR)	003.10	Other LC-UV	141	4.2530	4.1948	4.8930	8.71	2.73	2.02	0.12	8.71	0

CBDA (%AR)												
CBDA (%AR)	004.10	Other LC-UV	189	3.2000	3.1932	3.1987	0.11	0.03	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	155	2.8800	2.8800	2.8700	0.2	0.06	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	183	3.7252	3.7068	3.7246	0.28	0.09	2.55	0.11	7.55	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	3.3060	3.3055	3.3305	0.43	0.13	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	163	2.7910	2.7580	2.7470	0.83	0.24	2.55	0.11	7.55	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	213	3.2740	3.2730	3.2230	0.9	0.27	2.55	0.11	7.55	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	4.1585	4.1609	4.0927	0.94	0.29	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	106	3.3500	3.2900	3.3000	0.97	0.29	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	116	3.2654	3.2187	3.1719	1.45	0.43	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	196	3.2921	3.1923	3.2248	1.57	0.47	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	173	2.7120	2.6910	2.5970	2.3	0.67	2.55	0.11	7.55	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	3.0659	3.0094	2.9111	2.62	0.77	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	197	3.1849	3.3895	3.3259	3.17	0.95	2.55	0.11	7.55	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	3.0266	2.8417	2.9901	3.32	0.98	2.55	0.11	7.55	0
CBDA (%AR)	004.99	Other	149	2.9070	2.9900	3.1080	3.37	0.99	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	192	4.0158	4.0186	4.2494	3.27	1.01	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	149	2.6810	2.7420	2.8720	3.53	1.03	2.55	0.11	7.55	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	3.2155	3.4319	3.2040	3.91	1.17	2.55	0.11	7.55	0
CBDA (%AR)	004.30	Other LC-MS	164	4.9922	5.2989	5.3701	3.85	1.24	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	144	3.5427	3.3691	3.7281	5.06	1.53	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	184	3.2905	3.6403	3.5776	5.32	1.61	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	170	3.2607	3.6766	3.6880	6.87	2.08	2.55	0.11	7.55	0
CBDA (%AR)	004.10	Other LC-UV	141	3.3360	3.2480	3.7350	7.55	2.28	2.55	0.11	7.55	0

CBN (%AR)												
CBN (%AR)	005.10	Other LC-UV	173	<0.1590	<0.1500	<0.1580						1
CBN (%AR)	005.10	Other LC-UV	197	<0.0503	<0.0526	<0.0508						1

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	106	0.0400	0.0400	0.0400	0	0	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	149	0.0350	0.0350	0.0350	0	0	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	189	0.0450	0.0448	0.0446	0.45	0.07	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	183	0.0401	0.0406	0.0404	0.62	0.1	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	144	0.0384	0.0376	0.0394	2.34	0.36	5.68	0	86.9	0
CBN (%AR)	005.99	Other	183	0.0419	0.0400	0.0414	2.4	0.37	5.68	0	86.9	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0419	0.0399	0.0405	2.52	0.39	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	213	0.0380	0.0400	0.0390	2.56	0.39	5.68	0	86.9	0
CBN (%AR)	005.30	GC-FID	163	0.0620	0.0580	0.0620	3.81	0.63	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	116	0.0533	0.0571	0.0573	4.03	0.66	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	196	0.0398	0.0362	0.0390	4.93	0.76	5.68	0	86.9	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0536	0.0572	0.0519	4.99	0.81	5.68	0	86.9	0
CBN (%AR)	005.30	GC-FID	192	0.0709	0.0789	0.0792	6.17	1.05	5.68	0	86.9	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.0500	0.0500	0.0445	6.59	1.05	5.68	0	86.9	0
CBN (%AR)	005.20	Other LC-MS	149	0.0420	0.0360	0.0330	12.4	1.89	5.68	0	86.9	0
CBN (%AR)	005.30	GC-FID	138	0.0507	0.0645	0.0593	12	1.96	5.68	0	86.9	0
CBN (%AR)	005.30	GC-FID	116	0.0452	0.0582	0.0476	13.7	2.2	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	141	0.0440	0.0444	0.0560	14.2	2.25	5.68	0	86.9	0
CBN (%AR)	005.10	Other LC-UV	192	0.0000	0.0485	0.0530	86.9	13.1	5.68	0	86.9	0

Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.2413	0.2186							1

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)	006.40	GC-FID	114	0.2123	0.1794							1
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.2049	0.2064	0.2064	0.42	0.08	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	213	0.0840	0.0850	0.0840	0.68	0.12	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.2681	0.2640	0.2665	0.78	0.16	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.99	Other	183	0.2201	0.2236	0.2199	0.94	0.19	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.2234	0.2279	0.2250	1.01	0.2	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.2139	0.2187	0.2164	1.11	0.22	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.1866	0.1877	0.1834	1.2	0.23	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.2053	0.2012	0.2054	1.17	0.23	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.2200	0.2150	0.2180	1.16	0.23	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.2353	0.2296	0.2303	1.34	0.27	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.2006	0.2063	0.2040	1.41	0.28	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.2274	0.2211	0.2253	1.43	0.29	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.1986	0.2066	0.2038	2	0.39	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.1790	0.1770	0.1720	2.05	0.4	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.1948	0.1880	0.1953	2.12	0.41	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.2071	0.1978	0.2028	2.3	0.45	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	149	0.2040	0.1990	0.1940	2.51	0.49	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.1920	0.1840	0.1830	2.65	0.52	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1713	0.1626	0.1691	2.7	0.52	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1538	0.1600	0.1624	2.8	0.53	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.4540	0.4570	0.4751	2.47	0.55	3.49	0.42	26.2	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)	006.30	Other LC-MS	102	0.1740	0.1720	0.1820	3.01	0.58	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.1924	0.2050	0.1978	3.19	0.63	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.1923	0.2050	0.2033	3.44	0.68	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2629	0.2655	0.2475	3.76	0.77	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1773	0.1684	0.1640	3.99	0.77	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.1972	0.1997	0.2122	3.96	0.78	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.2620	0.2767	0.3002	6.89	1.43	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.2146	0.1852	0.1990	7.37	1.45	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.2200	0.2150	0.1910	7.43	1.47	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	182	0.1645	0.1502	0.1396	8.25	1.56	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	173	0.2391	0.2299	0.2031	8.35	1.67	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.50	GC-MS	170	0.1971	0.2257	0.2438	10.6	2.12	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.1655	0.2232	0.2064	15	2.94	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.3696	0.3664	0.4806	16	3.51	3.49	0.42	26.2	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2050	0.2019	0.3120	26.2	5.29	3.49	0.42	26.2	0

Total CBD (%AR)												
Total CBD (%AR)	007.10	Other LC-UV	189	7.1767	7.1605	7.1717	0.12	0.04	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	116	7.2350	7.2136	7.2329	0.16	0.06	2.3	0.12	9.09	0
Total CBD (%AR)	007.40	GC-FID	163	7.5680	7.5670	7.5160	0.39	0.13	2.3	0.12	9.09	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	7.4369	7.4814	7.5053	0.46	0.16	2.3	0.12	9.09	0
Total CBD (%AR)	007.40	GC-FID	138	8.6617	8.6419	8.7477	0.65	0.22	2.3	0.12	9.09	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)	007.40	GC-FID	169	6.8740	6.9100	6.8130	0.71	0.24	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	155	6.4400	6.3900	6.5000	0.86	0.28	2.3	0.12	9.09	0
Total CBD (%AR)	007.30	Other LC-MS	149	6.5520	6.4550	6.5600	0.9	0.3	2.3	0.12	9.09	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	8.1284	8.0069	8.0020	0.89	0.3	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	183	7.7850	7.5978	7.6179	1.34	0.46	2.3	0.12	9.09	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	7.1436	7.4079	7.2412	1.84	0.62	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	196	7.1812	6.9303	7.1629	1.97	0.66	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	173	6.1444	6.0660	5.8776	2.27	0.75	2.3	0.12	9.09	0
Total CBD (%AR)	007.30	Other LC-MS	164	8.8874	9.1687	9.2751	2.2	0.77	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	197	7.2574	7.5788	7.5432	2.36	0.8	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	144	7.6394	7.8577	8.0601	2.68	0.91	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	192	9.7069	9.3233	9.9071	3.08	1.08	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	149	5.6100	5.8380	6.0100	3.45	1.13	2.3	0.12	9.09	0
Total CBD (%AR)	007.40	GC-FID	116	7.2276	7.5062	7.8069	3.86	1.31	2.3	0.12	9.09	0
Total CBD (%AR)	007.40	GC-FID	192	7.2623	7.2928	6.7126	4.61	1.55	2.3	0.12	9.09	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	6.9294	6.5810	6.2766	4.95	1.65	2.3	0.12	9.09	0
Total CBD (%AR)	007.50	GC-MS	170	8.3629	9.2213	8.8792	4.9	1.7	2.3	0.12	9.09	0
Total CBD (%AR)	007.10	Other LC-UV	141	7.1780	7.0433	8.1690	8.24	2.79	2.3	0.12	9.09	0
Total CBD (%AR)	007.40	GC-FID	170	7.2625	7.5728	8.6190	9.09	3.1	2.3	0.12	9.09	0

CBDV (%AR)												
CBDV (%AR)	008.99	Other	173	<0.1590	<0.1500	<0.1580						1

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	197	<0.0503	<0.0526	<0.0508						1
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.0301	0.0288	0.0287	2.67	0.39	7.41	2.67	12.4	0
CBDV (%AR)	008.99	Other	183	0.0306	0.0309	0.0291	3.19	0.47	7.41	2.67	12.4	0
CBDV (%AR)	008.99	Other	196	0.0209	0.0218	0.0230	4.81	0.68	7.41	2.67	12.4	0
CBDV (%AR)	008.99	Other	149	0.0250	0.0260	0.0300	9.8	1.43	7.41	2.67	12.4	0
CBDV (%AR)	008.99	Other	189	0.0312	0.0368	0.0296	11.6	1.74	7.41	2.67	12.4	0
CBDV (%AR)	008.99	Other	106	0.0400	0.0500	0.0500	12.4	1.96	7.41	2.67	12.4	0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	196	<0.0205	<0.0205	<0.0205						1
CBDVA (%AR)	009.99	Other	197	<0.0503	<0.0526	<0.0508						1
CBDVA (%AR)	009.99	Other	173	<0.1590	<0.1500	<0.1580						1
CBDVA (%AR)	009.02	AOAC 2018.11, U	183	0.0330	0.0320	0.0330	1.77	0.27				0
CBDVA (%AR)	009.99	Other	149	0.0340	0.0340	0.0300	7.07	1.06				0

CBG (%AR)

CBG (%AR)	010.99	Other	173	<0.1590	<0.1500	<0.1580						1
CBG (%AR)	010.99	Other	106	0.1000	0.1000	0.1000	0	0	3.65	0	22.8	0
CBG (%AR)	010.99	Other	189	0.1394	0.1382	0.1399	0.63	0.12	3.65	0	22.8	0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.1416	0.1365	0.1375	1.95	0.36	3.65	0	22.8	0
CBG (%AR)	010.99	Other	149	0.0950	0.1000	0.0980	2.58	0.46	3.65	0	22.8	0
CBG (%AR)	010.99	Other	197	0.1075	0.1116	0.1137	2.84	0.51	3.65	0	22.8	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	155	0.2579	0.2613	0.2707	2.52	0.52	3.65	0	22.8	0
CBG (%AR)	010.99	Other	196	0.1088	0.1016	0.1110	4.59	0.82	3.65	0	22.8	0
CBG (%AR)	010.99	Other	183	0.1468	0.1338	0.1368	4.89	0.91	3.65	0	22.8	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.1733	0.1489	0.1694	8	1.53	3.65	0	22.8	0
CBG (%AR)	010.99	Other	141	0.1010	0.1465	0.1600	22.8	4.23	3.65	0	22.8	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	173	<0.1590	0.1550	<0.1580						1
CBGA (%AR)	011.99	Other	106	0.1200	0.1200	0.1200	0	0	4.19	0	14.1	0
CBGA (%AR)	011.99	Other	189	0.1548	0.1538	0.1538	0.38	0.07	4.19	0	14.1	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.1439	0.1485	0.1438	1.85	0.35	4.19	0	14.1	0
CBGA (%AR)	011.02	AOAC 2018.11, U	183	0.1799	0.1736	0.1715	2.5	0.48	4.19	0	14.1	0
CBGA (%AR)	011.99	Other	197	0.1487	0.1579	0.1574	3.34	0.63	4.19	0	14.1	0
CBGA (%AR)	011.99	Other	196	0.1574	0.1447	0.1443	5.01	0.94	4.19	0	14.1	0
CBGA (%AR)	011.99	Other	141	0.1890	0.1655	0.1990	9.32	1.81	4.19	0	14.1	0
CBGA (%AR)	011.99	Other	149	0.1100	0.1340	0.1030	14.1	2.55	4.19	0	14.1	0

THCV (%AR)

THCV (%AR)	012.99	Other	189	<0.0050	<0.0050	<0.0050						1
THCV (%AR)	012.99	Other	183	<0.0200	<0.0200	<0.0200						1
THCV (%AR)	012.99	Other	197	<0.0503	<0.0526	<0.0508						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	196	<0.0205	<0.0205	<0.0205						1
THCV (%AR)	012.99	Other	173	0.0000	0.0000	0.0000	0					0
THCV (%AR)	012.02	AOAC 2018.11, U	183	<0.0020	<0.0020	<0.0020						1

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	183	<0.0200	<0.0200	<0.0200						1
Δ8-THC (%AR)	013.99	Other	196	<0.0205	<0.0205	<0.0205						1
Δ8-THC (%AR)	013.99	Other	173	0.0000	0.0000	0.0000	0		4.04	0	9.65	0
Δ8-THC (%AR)	013.99	Other	197	<0.0503	<0.0526	<0.0508						1
Δ8-THC (%AR)	013.99	Other	141	0.0000	0.0000	0.0000	0		4.04	0	9.65	0
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	<0.0125	0.0125	0.0125						1
Δ8-THC (%AR)	013.99	Other	106	<0.0300	<0.0300	<0.0300						1
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	183	<0.0010	<0.0010	<0.0010						1
Δ8-THC (%AR)	013.01	AOAC 2018.10	228	4.4951	4.5042	4.4888	0.17	0.05	4.04	0	9.65	0
Δ8-THC (%AR)	013.99	Other	138	0.0771	0.0871	0.0795	6.43	1.11	4.04	0	9.65	0
Δ8-THC (%AR)	013.99	Other	189	0.0093	0.0105	0.0087	9.65	1.2	4.04	0	9.65	0
Δ8-THC (%AR)	013.99	Other	213	0.1350	0.1310	0.1520	8	1.49	4.04	0	9.65	0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.2317	0.2344	0.2337	0.6	0.12	1.94	0.6	10.6	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.2087	0.2115	0.2084	0.82	0.16	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	183	0.2242	0.2241	0.2189	1.36	0.27	1.94	0.6	10.6	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	196	0.1995	0.1942	0.1961	1.37	0.27	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	197	0.1920	0.1979	0.1980	1.75	0.34	1.94	0.6	10.6	0
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.2339	0.2274	0.2268	1.72	0.34	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	149	0.1730	0.1740	0.1680	1.87	0.36	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	106	0.1900	0.1900	0.2000	2.99	0.58	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	173	0.1810	0.1780	0.1700	3.22	0.62	1.94	0.6	10.6	0
CBC (%AR)	014.99	Other	155	0.1980	0.1970	0.2360	10.6	2.1	1.94	0.6	10.6	0

Cd (ug/g AR)

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	0.1354	0.1388	0.1353	1.46	0.27	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	164	0.1249	0.1195	0.1194	2.6	0.47	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1535	0.1644	0.1544	3.84	0.73	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	196	0.1310	0.1230	0.1170	5.68	1.04	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	106	0.1640	0.1440	0.1520	6.57	1.24	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	183	0.1600	0.1500	0.1400	6.67	1.26	4.88	1.46	7.33	0
Cd (ug/g AR)	101.04	ICP-MS	141	0.1610	0.1500	0.1390	7.33	1.38	4.88	1.46	7.33	0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
As (ug/g AR)	102.04	ICP-MS	102	0.1594	0.1564	0.1630	2.07	0.39	7.68	2.07	13.8	0
As (ug/g AR)	102.04	ICP-MS	183	0.2000	0.2100	0.2100	2.79	0.55	7.68	2.07	13.8	0

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)	102.04	ICP-MS	106	0.1790	0.1620	0.1610	6.05	1.16	7.68	2.07	13.8	0
As (ug/g AR)	102.04	ICP-MS	164	0.1593	0.1595	0.1422	6.46	1.22	7.68	2.07	13.8	0
As (ug/g AR)	102.04	ICP-MS	196	0.1440	0.1630	0.1380	8.8	1.66	7.68	2.07	13.8	0
As (ug/g AR)	102.04	ICP-MS	197	0.1709	0.1432	0.1309	13.8	2.6	7.68	2.07	13.8	0
As (ug/g AR)	102.04	ICP-MS	141	0.1890	0.1540	0.1470	13.8	2.63	7.68	2.07	13.8	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	<0.0978	<0.0963	<0.0988						1
Hg (ug/g AR)	103.04	ICP-MS	141	<0.0300	<0.0300	<0.0290						1
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0072	<0.0072	<0.0072						1
Hg (ug/g AR)	103.04	ICP-MS	164	<0.0500	<0.0500	<0.0500						1
Hg (ug/g AR)	103.04	ICP-MS	183	0.0100	0.0100	0.0100	0	0				0
Hg (ug/g AR)	103.99	Other	102	0.0450	0.0450	0.0440	1.29	0.2				0
Hg (ug/g AR)	103.04	ICP-MS	106	0.0090	0.0080	0.0080	6.93	0.85				0

Pb (ug/g AR)

Pb (ug/g AR)	104.04	ICP-MS	197	0.7603	0.7433	0.7380	1.56	0.37	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.7630	0.7480	0.7330	2.01	0.48	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.7071	0.8060	0.7070	7.72	1.85	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.9249	1.0050	0.8265	9.73	2.41	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	183	0.8700	0.8100	0.6900	11.6	2.81	12.46	1.56	46.1	0

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	141	0.8590	1.0600	0.7630	17	4.18	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	106	0.8170	0.7800	1.1390	21.7	5.35	12.46	1.56	46.1	0
Pb (ug/g AR)	104.04	ICP-MS	164	0.6784	1.5626	0.8338	46.1	11.58	12.46	1.56	46.1	0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	11.4000	11.5000	10.4000	5.48	1.97				0
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	183	2.2800	2.3200	2.3500	1.52	0.43				0
Ni (ug/g AR)	106.04	ICP-MS	196	1.9300	1.9400	2.0000	1.93	0.54				0
Ni (ug/g AR)	106.04	ICP-MS	141	2.5900	2.5100	2.3800	4.25	1.22				0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	196	2.5700	2.5100	2.7100	3.95	1.14				0
Cr (ug/g AR)	107.04	ICP-MS	141	3.4700	3.5600	3.1500	6.35	1.91				0
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	141	<0.3990	<0.4030	<0.3920						1
Se (ug/g AR)	108.04	ICP-MS	197	0.1189	0.1564	<0.0988						1
Se (ug/g AR)	108.04	ICP-MS	196	0.1340	0.1260	0.1210	5.16	0.95				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Zn (ug/g AR)									
Zn (ug/g AR)	111.04	ICP-MS	141	76.9000	70.2000	68.7000	6.07	2.89				0
Zn (ug/g AR)	111.04	ICP-MS	196	72.5000	68.2000	63.9000	6.3	2.98				0
			Sb (ug/g AR)									
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0241	<0.0241	<0.0241						1
			(-)-alpha-Bisabolol (%AR)									
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.0653	0.0675	0.0664	1.66	0.28				0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0304	0.0303	0.0338	6.33	0.94				0
			beta-Caryophyllene (%AR)									
beta-Caryophyllene (%)	202.02	GC,MS	196	0.0361	0.0379	0.0341	5.28	0.8				0
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0474	0.0436	0.0432	5.18	0.81				0
			(-)-Caryophyllene oxide (%AR)									
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0158	<0.0158	<0.0158						1
			Geraniol (%AR)									
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Geraniol (%AR)	204.02	GC,MS	196	<0.2520	<0.2520	<0.2520						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	0.0143	0.0151	0.0145	2.85	0.38				0
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0189	0.0176	0.0174	4.53	0.62				0
			d-Limonene (%AR)									
d-Limonene (%AR)	206.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
			Linalool (%AR)									
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)	207.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1
			beta-Myrcene (%AR)									
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1
			Ocimene (%AR)									
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Ocimene (%AR)	210.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			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	<0.0039	<0.0039	<0.0039						1
			(-)-beta-Pinene (%AR)									
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0039	<0.0039	<0.0039						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	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1
			gamma-Terpinene (%AR)									
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
			alpha-Terpinolene (%AR)									
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0039	<0.0039	<0.0039						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
		Moisture (%AR)										
Moisture (%AR)	500.70	Commerc. Anal.	189	6.4990	6.4990	6.4990	0	0	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	116	6.6400	6.7700	6.6100	1.27	0.42	2.44	0	8.27	0
Moisture (%AR)	500.99	Other	103	6.9100	7.1000	7.1000	1.56	0.52	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	182	8.6700	8.8900	8.9600	1.71	0.59	2.44	0	8.27	0
Moisture (%AR)	500.99	Other	165	8.7000	8.4000	8.6000	1.78	0.62	2.44	0	8.27	0
Moisture (%AR)	500.72	NIR	138	7.5000	7.3500	7.2000	2.04	0.69	2.44	0	8.27	0
Moisture (%AR)	500.50	AOAC 930.15	199	10.5314	10.2499	10.6504	1.96	0.7	2.44	0	8.27	0
Moisture (%AR)	500.99	Other	102	6.9000	7.2000	7.0000	2.17	0.73	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	106	7.5200	7.4100	7.7400	2.22	0.75	2.44	0	8.27	0
Moisture (%AR)	500.50	AOAC 930.15	192	9.8250	10.1240	10.2645	2.23	0.79	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	196	8.3300	8.4600	8.7700	2.65	0.92	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	153	5.0100	5.3200	5.3600	3.66	1.18	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	162	11.6500	11.0000	11.8800	3.97	1.43	2.44	0	8.27	0
Moisture (%AR)	500.50	AOAC 930.15	210	8.0800	8.8600	9.0300	5.85	2.03	2.44	0	8.27	0
Moisture (%AR)	500.70	Commerc. Anal.	183	8.6400	9.8200	8.4500	8.27	2.88	2.44	0	8.27	0
		Δ9-THC (%DW)										
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.2045	0.2056	0.2065	0.49	0.1	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.1972	0.1998	0.1972	0.76	0.15	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.1800	0.1800	0.1770	0.97	0.19	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.1698	0.1774	0.1772	2.48	0.48	2.29	0.49	4.43	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.1666	0.1756	0.1697	2.68	0.52	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.1690	0.1670	0.1770	3.09	0.59	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.1520	0.1420	0.1479	3.41	0.64	2.29	0.49	4.43	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.1958	0.1879	0.1792	4.43	0.86	2.29	0.49	4.43	0

Δ9-THCA (%DW)

Δ9-THCA (%DW)	502.30	Other LC-MS	102	<0.0530	<0.0520	<0.0530						1
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	199	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%DW)	502.01	AOAC 2018.10	228	0.0611	0.0594	0.0604	1.42	0.23	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0429	0.0450	0.0432	2.6	0.41	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0475	0.0500	0.0496	2.74	0.44	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0365	0.0377	0.0390	3.31	0.51	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.0490	0.0460	0.0490	3.61	0.57	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0514	0.0498	0.0471	4.4	0.7	3.22	1.42	4.45	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0442	0.0483	0.0467	4.45	0.7	3.22	1.42	4.45	0

CBD (%DW)

CBD (%DW)	503.10	Other LC-UV	189	4.6741	4.6630	4.6700	0.12	0.04	1.6	0.12	6.43	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	5.0716	5.1058	5.1310	0.58	0.19	1.6	0.12	6.43	0
CBD (%DW)	503.01	AOAC 2018.10	210	4.7980	4.7440	4.7320	0.74	0.23	1.6	0.12	6.43	0
CBD (%DW)	503.10	Other LC-UV	116	4.6837	4.7046	4.7693	0.95	0.3	1.6	0.12	6.43	0
CBD (%DW)	503.10	Other LC-UV	162	4.6677	4.7383	4.9251	2.78	0.88	1.6	0.12	6.43	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%DW)	503.02	AOAC 2018.11, U	103	4.5554	4.2431	4.0082	6.43	2	1.6	0.12	6.43	0
CBDA (%DW)												
CBDA (%DW)	504.10	Other LC-UV	189	3.4224	3.4152	3.4210	0.11	0.03	1.28	0.11	3.07	0
CBDA (%DW)	504.01	AOAC 2018.10	228	5.0015	5.0121	5.0009	0.13	0.04	1.28	0.11	3.07	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	3.6952	3.6830	3.7275	0.62	0.19	1.28	0.11	3.07	0
CBDA (%DW)	504.01	AOAC 2018.10	210	4.1210	4.0370	4.0890	1.04	0.32	1.28	0.11	3.07	0
CBDA (%DW)	504.10	Other LC-UV	116	3.4988	3.4487	3.3986	1.45	0.44	1.28	0.11	3.07	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	3.2935	3.2394	3.1336	2.52	0.75	1.28	0.11	3.07	0
CBDA (%DW)	504.10	Other LC-UV	162	3.5313	3.5963	3.7483	3.07	0.93	1.28	0.11	3.07	0
CBN (%DW)												
CBN (%DW)	505.10	Other LC-UV	189	0.0481	0.0479	0.0477	0.42	0.07	4.75	0.42	86.9	0
CBN (%DW)	505.10	Other LC-UV	162	0.0473	0.0482	0.0473	1.09	0.17	4.75	0.42	86.9	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0514	0.0507	0.0500	1.38	0.22	4.75	0.42	86.9	0
CBN (%DW)	505.10	Other LC-UV	116	0.0571	0.0612	0.0614	4.05	0.67	4.75	0.42	86.9	0
CBN (%DW)	505.30	GC-FID	192	0.0787	0.0877	0.0883	6.33	1.1	4.75	0.42	86.9	0
CBN (%DW)	505.30	GC-FID	116	0.0484	0.0565	0.0510	7.96	1.28	4.75	0.42	86.9	0
CBN (%DW)	505.10	Other LC-UV	192	0.0000	0.0540	0.0591	86.9	13.31	4.75	0.42	86.9	0
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2264	0.2275	0.2284	0.44	0.09	3.25	0.44	16.2	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 (%DW)	506.01	AOAC 2018.10	210	0.2230	0.2200	0.2200	0.78	0.16	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2389	0.2437	0.2407	1.01	0.2	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.40	GC-FID	192	0.2070	0.2088	0.2044	1.07	0.21	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.2149	0.2211	0.2185	1.43	0.28	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.40	GC-FID	138	0.2103	0.2029	0.2108	2.13	0.42	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.1840	0.1750	0.1821	2.63	0.51	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.1880	0.1850	0.1960	3	0.59	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.2108	0.2239	0.2165	3.03	0.6	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.2061	0.2196	0.2179	3.43	0.68	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.2332	0.2270	0.2167	3.69	0.74	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	182	0.1801	0.1649	0.1533	8.09	1.55	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.1750	0.2360	0.2180	14.9	2.96	3.25	0.44	16.2	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.4099	0.4076	0.5355	16.2	3.61	3.25	0.44	16.2	0

Total CBD (%DW)												
Total CBD (%DW)	507.10	Other LC-UV	189	7.6756	7.6582	7.6702	0.12	0.04	2.15	0.12	4.85	0
Total CBD (%DW)	507.10	Other LC-UV	116	7.7521	7.7291	7.7498	0.16	0.06	2.15	0.12	4.85	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	8.3123	8.3358	8.4000	0.54	0.19	2.15	0.12	4.85	0
Total CBD (%DW)	507.40	GC-FID	138	9.3488	9.3275	9.4564	0.74	0.26	2.15	0.12	4.85	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	8.4120	8.2840	8.3180	0.8	0.27	2.15	0.12	4.85	0
Total CBD (%DW)	507.10	Other LC-UV	162	7.7646	7.8921	8.2127	2.9	0.99	2.15	0.12	4.85	0
Total CBD (%DW)	507.10	Other LC-UV	192	10.7645	10.3736	11.0404	3.12	1.12	2.15	0.12	4.85	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)	507.40	GC-FID	116	7.7441	8.0427	8.3648	3.86	1.32	2.15	0.12	4.85	0
Total CBD (%DW)	507.40	GC-FID	192	8.0536	8.1143	7.4805	4.44	1.52	2.15	0.12	4.85	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	103	7.4438	7.0840	6.7563	4.85	1.63	2.15	0.12	4.85	0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	0.0350	0.0350	0.0340	1.67	0.25				0
CBDV (%DW)	508.99	Other	189	0.0334	0.0393	0.0316	11.6	1.75				0
CBDV (%DW)	508.99	Other	162	0.0375	0.0311	0.0302	12.1	1.82				0
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	0.0280	0.0250	0.0240	8.11	1.17				0
CBG (%DW)												
CBG (%DW)	510.99	Other	189	0.1491	0.1478	0.1497	0.65	0.12				0
CBG (%DW)	510.99	Other	162	0.1251	0.1221	0.1208	1.8	0.33				0
CBG (%DW)	510.01	AOAC 2018.10	210	0.1360	0.1370	0.1410	1.92	0.36				0
CBGA (%DW)												
CBGA (%DW)	511.99	Other	189	0.1656	0.1645	0.1645	0.38	0.07				0
CBGA (%DW)	511.99	Other	162	0.1900	0.1771	0.1807	3.65	0.71				0
CBGA (%DW)	511.01	AOAC 2018.10	210	0.0900	0.0740	0.0690	14.1	2.41				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			THCV (%DW)									
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0130	<0.0130	<0.0130						1
THCV (%DW)	512.99	Other	189	<0.0050	<0.0050	<0.0050						1
			Δ8-THC (%DW)									
Δ8-THC (%DW)	513.99	Other	162	<0.0100	<0.0100	<0.0100						1
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.0240	0.0240	0.0220	4.95	0.71				0
Δ8-THC (%DW)	513.99	Other	189	0.0099	0.0112	0.0093	9.58	1.21				0
			CBC (%DW)									
CBC (%DW)	514.99	Other	189	0.2478	0.2507	0.2500	0.61	0.12				0
CBC (%DW)	514.99	Other	162	0.2231	0.2259	0.2286	1.22	0.24				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