

Hemp Proficiency Testing

All Labs Precision

HM24SEP-2 (hemp)



Sample: HM24SEP-2 (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)	001.10	Other LC-UV	173	0.1650	<0.1540	<0.1540						
Δ9-THC (%AR)	001.30	Other LC-MS	122	<0.5000	<0.5000	<0.5000						
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.1320	0.1320	0.1320	0	0	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	213	0.0602	0.0601	0.0600	0.17	0.03	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1454	0.1445	0.1446	0.34	0.06	2.9	0	86.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.1640	0.1655	0.1650	0.46	0.09	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.1387	0.1370	0.1367	0.78	0.15	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.1378	0.1379	0.1409	1.27	0.24	2.9	0	86.6	0
Δ9-THC (%AR)	001.99	Other	183	0.1479	0.1441	0.1471	1.37	0.26	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.1611	0.1611	0.1573	1.37	0.26	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1382	0.1358	0.1397	1.43	0.27	2.9	0	86.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.1260	0.1290	0.1250	1.64	0.3	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.1410	0.1433	0.1388	1.6	0.3	2.9	0	86.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.1497	0.1474	0.1523	1.64	0.31	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1383	0.1338	0.1336	1.97	0.36	2.9	0	86.6	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	184	0.1536	0.1522	0.1578	1.89	0.36	2.9	0	86.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.1145	0.1102	0.1108	2.08	0.38	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.1540	0.1550	0.1490	2.11	0.4	2.9	0	86.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	228	0.2004	0.1998	0.1929	2.11	0.41	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.1330	0.1280	0.1270	2.49	0.46	2.9	0	86.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.1407	0.1364	0.1340	2.48	0.46	2.9	0	86.6	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.1983	0.1904	0.1905	2.35	0.46	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1150	0.1192	0.1237	3.65	0.66	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.1289	0.1389	0.1340	3.73	0.69	2.9	0	86.6	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.1420	0.1318	0.1389	3.8	0.71	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.1070	0.0988	0.1009	4.17	0.74	2.9	0	86.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.1234	0.1257	0.1153	4.5	0.82	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.1100	0.1200	0.1200	4.95	0.9	2.9	0	86.6	0
Δ9-THC (%AR)	001.30	Other LC-MS	149	0.1400	0.1250	0.1270	6.23	1.15	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.1410	0.1380	0.1250	6.32	1.17	2.9	0	86.6	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1153	0.1035	0.1003	7.43	1.33	2.9	0	86.6	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.1776	0.1640	0.1944	8.52	1.65	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1365	0.1650	0.1570	9.62	1.82	2.9	0	86.6	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0000	0.1585	0.1578	86.6	15.49	2.9	0	86.6	0

Δ9-THCA (%AR)												
Δ9-THCA (%AR)	002.30	Other LC-MS	122	<0.5000	<0.5000	<0.5000						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)	002.02	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)	002.10	Other LC-UV	197	<0.0483	<0.0469	<0.0483						1
Δ9-THCA (%AR)	002.10	Other LC-UV	149	<0.0250	<0.0250	<0.0250						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	170	<0.0300	<0.0300	<0.0300						1
Δ9-THCA (%AR)	002.10	Other LC-UV	173	<0.1550	<0.1540	0.0000						1
Δ9-THCA (%AR)	002.10	Other LC-UV	163	<0.0200	<0.0200	<0.0200						1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	<0.0480	<0.0490	<0.0480						1
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.0379	0.0384	0.0382	0.66	0.1	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	183	0.0350	0.0341	0.0353	1.79	0.27	10.31	0.66	173	0
Δ9-THCA (%AR)	002.99	Other	183	0.0345	0.0338	0.0353	2.17	0.33	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.0319	0.0331	0.0333	2.31	0.35	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	213	0.0061	0.0059	0.0063	3.28	0.38	10.31	0.66	173	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.0207	0.0207	0.0217	2.74	0.39	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0311	0.0320	0.0302	2.89	0.43	10.31	0.66	173	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.0296	0.0278	0.0289	3.15	0.46	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0274	0.0287	0.0270	3.21	0.47	10.31	0.66	173	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0363	0.0376	0.0335	5.85	0.89	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0253	0.0291	0.0271	7	1.02	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.0250	0.0252	0.0221	7.2	1.03	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0310	0.0257	0.0290	9.37	1.38	10.31	0.66	173	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)	002.01	AOAC 2018.10	148	0.0470	0.0440	0.0390	9.33	1.46	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.1389	0.1250	0.1184	8.21	1.51	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.0435	0.0345	0.0394	11.5	1.77	10.31	0.66	173	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0260	0.0224	0.0300	14.5	2.11	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0204	0.0167	0.0142	18.2	2.48	10.31	0.66	173	0
Δ9-THCA (%AR)	002.30	Other LC-MS	149	0.0440	0.0330	0.0290	22	3.34	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0341	0.0193	0.0357	30.4	4.5	10.31	0.66	173	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.0425	0.0404	0.0211	34	5.15	10.31	0.66	173	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0379	0.0298	0.0641	40.8	6.4	10.31	0.66	173	0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.2273	0.0000	0.0000	173	29.47	10.31	0.66	173	0

CBD (%AR)												
CBD (%AR)	003.10	Other LC-UV	163	4.9000	4.9000	4.9000	0	0	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	189	4.5735	4.5673	4.5750	0.09	0.03	2.29	0	8.4	0
CBD (%AR)	003.01	AOAC 2018.10	228	4.0078	4.0128	4.0009	0.15	0.05	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	197	4.7932	4.8244	4.7826	0.45	0.14	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	183	4.7799	4.7198	4.6984	0.89	0.28	2.29	0	8.4	0
CBD (%AR)	003.30	Other LC-MS	164	5.0805	5.1536	5.0671	0.91	0.29	2.29	0	8.4	0
CBD (%AR)	003.99	Other	183	4.8819	4.7907	4.8007	1.04	0.33	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	184	4.4215	4.3321	4.4416	1.33	0.41	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	149	3.8560	3.9580	3.9440	1.41	0.43	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	116	4.7869	4.7544	4.9038	1.63	0.52	2.29	0	8.4	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%AR)	003.10	Other LC-UV	213	5.3400	5.2220	5.1720	1.64	0.53	2.29	0	8.4	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	4.7080	4.8350	4.8995	2.02	0.64	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	106	4.6800	4.8700	4.8000	2.01	0.64	2.29	0	8.4	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	4.3318	4.5149	4.3911	2.12	0.66	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	155	4.0700	4.1200	3.9400	2.3	0.71	2.29	0	8.4	0
CBD (%AR)	003.30	Other LC-MS	149	4.2370	4.3870	4.1560	2.75	0.86	2.29	0	8.4	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	4.2798	4.0807	4.0285	3.21	1	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	196	4.2711	4.5391	4.2866	3.45	1.08	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	173	4.0600	3.7900	3.8730	3.54	1.09	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	170	4.6373	4.8409	4.5174	3.51	1.11	2.29	0	8.4	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	4.6101	4.8279	4.4691	3.9	1.23	2.29	0	8.4	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	4.5433	4.4266	4.7895	4.04	1.27	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	144	5.0030	4.8186	5.3966	5.82	1.86	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	141	4.5943	4.6190	5.1212	6.22	1.97	2.29	0	8.4	0
CBD (%AR)	003.10	Other LC-UV	192	6.6752	7.3058	6.1795	8.4	2.8	2.29	0	8.4	0

CBDA (%AR)												
CBDA (%AR)	004.10	Other LC-UV	189	2.7201	2.7159	2.7209	0.1	0.03	2.76	0.1	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	2.7975	2.8255	2.8050	0.52	0.15	2.76	0.1	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	2.5207	2.5010	2.5312	0.61	0.18	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	163	2.3300	2.3600	2.3500	0.65	0.19	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	183	3.1511	3.1181	3.1065	0.74	0.22	2.76	0.1	11.7	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	2.7340	2.6900	2.7060	0.82	0.24	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	149	2.4250	2.4650	2.4680	0.98	0.28	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	116	2.8307	2.7744	2.7682	1.23	0.36	2.76	0.1	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	2.5252	2.5770	2.6022	1.53	0.44	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	184	2.9388	2.9554	2.8584	1.78	0.52	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	106	2.7100	2.7800	2.8100	1.85	0.54	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	197	2.6783	2.7587	2.6512	2.07	0.6	2.76	0.1	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	2.7516	2.8227	2.6684	2.81	0.82	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	196	2.5555	2.6863	2.5460	3.02	0.87	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	144	3.0096	2.9633	3.1908	3.94	1.17	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	173	2.1440	1.9690	2.0500	4.26	1.19	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	155	2.3300	2.3100	2.1400	4.62	1.31	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	141	2.7997	2.7410	2.9971	4.71	1.38	2.76	0.1	11.7	0
CBDA (%AR)	004.30	Other LC-MS	149	2.2960	2.3760	2.5800	6.06	1.73	2.76	0.1	11.7	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	3.5560	3.2987	3.6937	5.7	1.73	2.76	0.1	11.7	0
CBDA (%AR)	004.30	Other LC-MS	164	4.8172	4.2628	4.2028	7.65	2.4	2.76	0.1	11.7	0
CBDA (%AR)	004.10	Other LC-UV	192	3.4919	4.0959	3.2800	11.7	3.55	2.76	0.1	11.7	0

CBN (%AR)

CBN (%AR)	005.10	Other LC-UV	197	<0.0725	<0.0704	<0.0725						1
CBN (%AR)	005.10	Other LC-UV	173	<0.1550	<0.1540	<0.1540						1
CBN (%AR)	005.10	Other LC-UV	106	0.0700	0.0700	0.0700	0	0	3.73	0	86.8	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	183	0.0596	0.0589	0.0596	0.68	0.11	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	144	0.0533	0.0535	0.0543	0.98	0.16	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	213	0.0500	0.0510	0.0510	1.14	0.18	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	189	0.0586	0.0597	0.0584	1.19	0.19	3.73	0	86.8	0
CBN (%AR)	005.30	GC-FID	163	0.0830	0.0830	0.0810	1.4	0.24	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	149	0.0490	0.0480	0.0500	2.04	0.33	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	116	0.0716	0.0737	0.0743	1.94	0.33	3.73	0	86.8	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.0600	0.0625	0.0610	2.06	0.34	3.73	0	86.8	0
CBN (%AR)	005.30	GC-FID	116	0.0659	0.0688	0.0658	2.55	0.43	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	196	0.0498	0.0520	0.0494	2.78	0.44	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	141	0.0543	0.0580	0.0591	4.4	0.72	3.73	0	86.8	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0710	0.0724	0.0655	5.24	0.88	3.73	0	86.8	0
CBN (%AR)	005.99	Other	183	0.0614	0.0552	0.0573	5.44	0.89	3.73	0	86.8	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0575	0.0517	0.0521	6.02	0.97	3.73	0	86.8	0
CBN (%AR)	005.30	GC-FID	192	0.0839	0.0961	0.0894	6.8	1.19	3.73	0	86.8	0
CBN (%AR)	005.20	Other LC-MS	149	0.0590	0.0530	0.0450	13.4	2.16	3.73	0	86.8	0
CBN (%AR)	005.30	GC-FID	138	0.0665	0.0887	0.0780	14.3	2.44	3.73	0	86.8	0
CBN (%AR)	005.10	Other LC-UV	192	0.0000	0.0846	0.0910	86.8	14.21	3.73	0	86.8	0

Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.1628	0.1551							1
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.1705	0.1428							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)	006.30	Other LC-MS	102	0.1490	0.1490	0.1490	0	0	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	213	0.0628	0.0627	0.0625	0.24	0.04	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.1816	0.1804	0.1817	0.4	0.08	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.1859	0.1874	0.1869	0.41	0.08	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.1651	0.1660	0.1674	0.7	0.13	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.1636	0.1629	0.1607	0.93	0.18	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.1918	0.1910	0.1883	0.96	0.19	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.1662	0.1648	0.1689	1.25	0.24	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.99	Other	183	0.1781	0.1738	0.1780	1.39	0.27	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1327	0.1284	0.1298	1.68	0.31	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.1900	0.1900	0.1960	1.8	0.35	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.2315	0.2241	0.2241	1.89	0.38	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.1659	0.1595	0.1622	1.98	0.38	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.1530	0.1480	0.1470	2.15	0.41	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.1591	0.1574	0.1520	2.37	0.45	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.1670	0.1680	0.1590	3	0.57	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2583	0.2740	0.2608	3.19	0.65	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.1508	0.1610	0.1533	3.43	0.65	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1150	0.1192	0.1237	3.65	0.66	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1304	0.1211	0.1270	3.73	0.69	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.1679	0.1561	0.1642	3.71	0.71	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.1752	0.1614	0.1759	4.79	0.92	4.25	0	14.8	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)	006.10	Other LC-UV	182	0.1249	0.1135	0.1134	5.64	1.02	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.1790	0.1680	0.1590	5.94	1.14	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.4020	0.3720	0.4120	5.27	1.15	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.1566	0.1518	0.1715	6.42	1.22	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.2322	0.2201	0.2502	6.47	1.3	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.1381	0.1596	0.1455	7.39	1.39	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.1780	0.1719	0.1522	8.06	1.54	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.1760	0.1500	0.1564	8.42	1.6	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.50	GC-MS	170	0.1690	0.1754	0.1980	8.43	1.63	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	149	0.1790	0.1540	0.1520	9.31	1.77	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.1440	0.1735	0.1582	9.3	1.77	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2004	0.1836	0.2207	9.22	1.82	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1993	0.1585	0.1578	13.8	2.66	4.25	0	14.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	173	0.2036	0.1843	0.1510	14.8	2.87	4.25	0	14.8	0

Total CBD (%AR)												
Total CBD (%AR)	007.10	Other LC-UV	189	6.9590	6.9492	6.9612	0.09	0.03	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	183	7.5434	7.4544	7.4227	0.84	0.28	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	197	7.1421	7.2438	7.1077	0.99	0.33	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	169	6.3290	6.4620	6.3920	1.04	0.34	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	116	7.2695	7.1875	7.3314	0.99	0.34	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	163	7.6000	7.5600	7.7100	1.02	0.35	2.94	0.09	9.41	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	149	5.9830	6.1200	6.1080	1.25	0.41	2.94	0.09	9.41	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	7.1614	7.3130	7.3595	1.42	0.48	2.94	0.09	9.41	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	6.5464	6.7749	6.6732	1.72	0.57	2.94	0.09	9.41	0
Total CBD (%AR)	007.30	Other LC-MS	149	6.2510	6.4710	6.4190	1.8	0.6	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	155	6.1100	6.2400	5.9600	2.3	0.75	2.94	0.09	9.41	0
Total CBD (%AR)	007.50	GC-MS	170	8.6887	8.5791	9.0421	2.76	0.96	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	138	8.4776	8.8145	8.9560	2.81	0.97	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	196	6.5123	6.8950	6.5195	3.3	1.1	2.94	0.09	9.41	0
Total CBD (%AR)	007.30	Other LC-MS	164	9.3052	8.8921	8.7530	3.2	1.11	2.94	0.09	9.41	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	7.0233	7.3033	6.8093	3.52	1.18	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	173	5.9403	5.5168	5.6709	3.75	1.22	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	116	7.4572	7.3210	7.8472	3.62	1.23	2.94	0.09	9.41	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	7.6619	7.3196	8.0289	4.62	1.57	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	144	7.6430	7.4180	8.1956	5.16	1.76	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	141	7.0496	7.0230	7.7497	5.67	1.91	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	170	7.3106	7.3881	8.1695	6.23	2.12	2.94	0.09	9.41	0
Total CBD (%AR)	007.40	GC-FID	192	6.9566	7.5679	6.6380	6.7	2.25	2.94	0.09	9.41	0
Total CBD (%AR)	007.10	Other LC-UV	192	9.7376	10.8979	9.0560	9.41	3.33	2.94	0.09	9.41	0

CBDV (%AR)												
CBDV (%AR)	008.99	Other	197	<0.0483	<0.0469	<0.0483						1
CBDV (%AR)	008.99	Other	173	<0.1550	<0.1540	<0.1540						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	183	0.0377	0.0377	0.0361	2.49	0.38	6.55	2.49	11.4	0
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.0367	0.0356	0.0348	2.67	0.41	6.55	2.49	11.4	0
CBDV (%AR)	008.99	Other	196	0.0254	0.0272	0.0248	4.84	0.7	6.55	2.49	11.4	0
CBDV (%AR)	008.99	Other	189	0.0321	0.0316	0.0278	7.71	1.14	6.55	2.49	11.4	0
CBDV (%AR)	008.99	Other	106	0.0600	0.0600	0.0500	10.2	1.66	6.55	2.49	11.4	0
CBDV (%AR)	008.99	Other	149	0.0390	0.0310	0.0350	11.4	1.73	6.55	2.49	11.4	0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	173	<0.1550	<0.1540	<0.1540						1
CBDVA (%AR)	009.99	Other	197	<0.0483	<0.0469	<0.0483						1
CBDVA (%AR)	009.99	Other	196	<0.0205	<0.0205	<0.0205						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	0.0370	0.0350	0.0340	4.32	0.66				0

CBG (%AR)

CBG (%AR)	010.99	Other	189	0.1944	0.1948	0.1958	0.37	0.07	3.95	0.37	13.9	0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.1977	0.1955	0.1958	0.61	0.12	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	149	0.1480	0.1430	0.1470	1.81	0.34	3.95	0.37	13.9	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.2390	0.2319	0.2428	2.33	0.47	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	197	0.1314	0.1249	0.1256	2.8	0.52	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	196	0.1403	0.1495	0.1425	3.33	0.62	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	106	0.1600	0.1700	0.1600	3.53	0.67	3.95	0.37	13.9	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	0.3000	0.2751	0.2752	5.06	1.05	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	183	0.2068	0.1863	0.1899	5.63	1.1	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	173	0.2090	0.1620	0.1780	13.1	2.54	3.95	0.37	13.9	0
CBG (%AR)	010.99	Other	141	0.2169	0.1710	0.2226	13.9	2.74	3.95	0.37	13.9	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	173	<0.1550	<0.1540	<0.1540						1
CBGA (%AR)	011.99	Other	106	0.1100	0.1100	0.1100	0	0	3.31	0	11.6	0
CBGA (%AR)	011.99	Other	197	0.1420	0.1408	0.1411	0.44	0.08	3.31	0	11.6	0
CBGA (%AR)	011.99	Other	189	0.1381	0.1399	0.1390	0.65	0.12	3.31	0	11.6	0
CBGA (%AR)	011.02	AOAC 2018.11, U	183	0.1528	0.1503	0.1499	1.04	0.2	3.31	0	11.6	0
CBGA (%AR)	011.99	Other	196	0.1238	0.1151	0.1210	3.7	0.67	3.31	0	11.6	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.1348	0.1371	0.1271	3.94	0.73	3.31	0	11.6	0
CBGA (%AR)	011.99	Other	141	0.2002	0.1810	0.2100	7.49	1.47	3.31	0	11.6	0
CBGA (%AR)	011.99	Other	149	0.1010	0.0970	0.1200	11.6	2.07	3.31	0	11.6	0

THCV (%AR)

THCV (%AR)	012.99	Other	173	0.0000	0.0000	0.0000	0					0
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300						1
THCV (%AR)	012.99	Other	197	<0.0483	<0.0469	<0.0483						1
THCV (%AR)	012.99	Other	183	<0.0200	<0.0200	<0.0200						1
THCV (%AR)	012.99	Other	196	<0.0205	<0.0205	<0.0205						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	189	<0.0050	<0.0050	<0.0050						1
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	173	0.0000	0.0000	0.0000	0		1.72	0	4.76	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	183	<0.0010	<0.0010	<0.0010						1
Δ8-THC (%AR)	013.03	AOAC 2018.11, M	139	<0.0125	<0.0125	<0.0125						1
Δ8-THC (%AR)	013.99	Other	141	0.0000	0.0000	0.0000	0		1.72	0	4.76	0
Δ8-THC (%AR)	013.99	Other	197	<0.0483	<0.0469	<0.0483						1
Δ8-THC (%AR)	013.99	Other	196	<0.0205	<0.0205	<0.0205						1
Δ8-THC (%AR)	013.99	Other	183	<0.0200	<0.0200	<0.0200						1
Δ8-THC (%AR)	013.99	Other	106	<0.0300	<0.0300	<0.0300						1
Δ8-THC (%AR)	013.99	Other	189	0.0127	0.0126	0.0126	0.46	0.06	1.72	0	4.76	0
Δ8-THC (%AR)	013.99	Other	213	0.1220	0.1250	0.1270	2.02	0.37	1.72	0	4.76	0
Δ8-THC (%AR)	013.01	AOAC 2018.10	228	0.2397	0.2429	0.2289	3.09	0.62	1.72	0	4.76	0
Δ8-THC (%AR)	013.99	Other	138	0.1269	0.1395	0.1347	4.76	0.88	1.72	0	4.76	0

CBC (%AR)

CBC (%AR)	014.99	Other	197	0.2000	0.2009	0.2000	0.26	0.05	2.56	0.26	6.47	0
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.2423	0.2379	0.2389	0.96	0.19	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	149	0.1850	0.1800	0.1810	1.45	0.28	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	183	0.2325	0.2253	0.2262	1.72	0.35	2.56	0.26	6.47	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	173	0.1880	0.1790	0.1800	2.71	0.53	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	106	0.2000	0.2100	0.2000	2.84	0.56	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	196	0.1953	0.1986	0.1871	3.06	0.6	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	155	0.1923	0.1816	0.1794	3.74	0.73	2.56	0.26	6.47	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.2167	0.2209	0.2051	3.82	0.76	2.56	0.26	6.47	0
CBC (%AR)	014.99	Other	189	0.2467	0.2754	0.2467	6.47	1.32	2.56	0.26	6.47	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	141	0.1850	0.1850	0.1800	1.57	0.31	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1780	0.1789	0.1730	1.8	0.35	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	196	0.1440	0.1390	0.1450	2.25	0.42	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	106	0.1710	0.1790	0.1780	2.48	0.48	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	102	0.1697	0.1642	0.1595	3.1	0.59	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	183	0.1800	0.1900	0.1800	3.15	0.61	2.65	1.57	11.2	0
Cd (ug/g AR)	101.04	ICP-MS	164	0.1406	0.1481	0.1735	11.2	2.12	2.65	1.57	11.2	0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	196	0.2710	0.2600	0.2700	2.28	0.47	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	164	0.2571	0.2695	0.2728	3.11	0.64	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	102	0.2350	0.2680	0.2510	6.57	1.34	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	106	0.2300	0.2630	0.2480	6.69	1.36	7.62	2.28	15.1	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	197	0.2178	0.2479	0.2528	7.91	1.6	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	141	0.2760	0.2520	0.2350	8.1	1.65	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	183	0.3200	0.3900	0.3200	11.8	2.51	7.62	2.28	15.1	0
As (ug/g AR)	102.04	ICP-MS	162	0.2619	0.3074	0.2276	15.1	3.1	7.62	2.28	15.1	0

Hg (ug/g AR)

Hg (ug/g AR)	103.04	ICP-MS	141	<0.0300	<0.0300	<0.0300						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	162	<0.2000	<0.2000	<0.2000						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0975	<0.0952	<0.0984						1
Hg (ug/g AR)	103.04	ICP-MS	196	0.0084	0.0081	0.0080	2.55	0.31				0
Hg (ug/g AR)	103.04	ICP-MS	106	0.0080	0.0090	0.0090	6.66	0.82				0
Hg (ug/g AR)	103.04	ICP-MS	183	0.0050	0.0050	0.0040	12.4	1.39				0
Hg (ug/g AR)	103.99	Other	102	0.0300	0.0520	0.0495	27.5	4.31				0

Pb (ug/g AR)

Pb (ug/g AR)	104.04	ICP-MS	102	0.7420	0.7460	0.7420	0.31	0.07	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	106	0.8380	0.8740	0.8670	2.22	0.54	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.9370	0.9880	0.9270	3.44	0.86	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	197	0.7048	0.7490	0.7672	4.33	1.04	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	183	0.8100	0.8400	0.8900	4.77	1.17	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.8316	0.9551	0.9561	7.83	1.94	4.97	0.31	8.62	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	164	0.8561	0.8866	0.9983	8.19	2.03	4.97	0.31	8.62	0
Pb (ug/g AR)	104.04	ICP-MS	141	0.9010	0.7710	0.7880	8.62	2.1	4.97	0.31	8.62	0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	11.7000	10.1000	10.7000	7.46	2.67				0
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	183	3.6700	3.7400	3.8300	2.14	0.65				0
Ni (ug/g AR)	106.04	ICP-MS	196	2.9600	2.8500	3.0100	2.78	0.82				0
Ni (ug/g AR)	106.04	ICP-MS	141	4.0400	4.1500	3.9300	2.72	0.84				0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	196	5.1000	4.9500	5.3000	3.43	1.1				0
Cr (ug/g AR)	107.04	ICP-MS	141	6.6900	7.4700	6.6700	6.57	2.2				0
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	141	<0.4030	<0.3990	<0.3990						1
Se (ug/g AR)	108.04	ICP-MS	197	0.1529	0.1522	0.1478	1.83	0.35				0
Se (ug/g AR)	108.04	ICP-MS	196	0.2480	0.2430	0.2010	11.2	2.25				0
Zn (ug/g AR)												
Zn (ug/g AR)	111.04	ICP-MS	141	61.0000	61.4000	57.9000	3.19	1.48				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)	111.04	ICP-MS	196	64.9000	55.3000	57.6000	8.46	3.91				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	162	0.0285	0.0298	0.0296	2.39	0.35				0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.0662	0.0721	0.0703	4.35	0.73				0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0349	0.0354	0.0334	3.01	0.46				0
beta-Caryophyllene (%)	202.02	GC,MS	196	0.0322	0.0338	0.0312	4.05	0.61				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	196	<0.2520	<0.2520	<0.2520						1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	0.0131	0.0139	0.0135	2.96	0.39				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0143	0.0145	0.0137	2.94	0.39				0
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
d-Limonene (%AR)	206.02	GC,MS	196	<0.0039	<0.0039	<0.0039						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
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

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			(-)-beta-Pinene (%AR)									
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0039	<0.0039	<0.0039						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	162	<0.0100	<0.0100	<0.0100						1
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0039	<0.0039	<0.0039						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
			Moisture (%AR)									
Moisture (%AR)	500.70	Commerc. Anal.	189	6.2650	6.2650	6.2650	0	0	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	196	8.0500	7.9600	8.0500	0.65	0.22	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	106	7.3500	7.4100	7.5200	1.16	0.39	3.2	0	9.78	0
Moisture (%AR)	500.50	AOAC 930.15	199	9.9085	9.9908	10.1716	1.34	0.48	3.2	0	9.78	0
Moisture (%AR)	500.99	Other	103	6.5100	6.6900	6.6700	1.49	0.5	3.2	0	9.78	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Moisture (%AR)	500.50	AOAC 930.15	192	9.7013	9.6971	10.0280	1.94	0.68	3.2	0	9.78	0
Moisture (%AR)	500.99	Other	102	6.9000	6.6000	6.8000	2.26	0.75	3.2	0	9.78	0
Moisture (%AR)	500.72	NIR	138	7.5500	7.2000	7.3500	2.38	0.81	3.2	0	9.78	0
Moisture (%AR)	500.99	Other	165	8.4000	8.1000	8.5000	2.5	0.86	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	116	6.2100	6.5900	6.6500	3.68	1.22	3.2	0	9.78	0
Moisture (%AR)	500.50	AOAC 930.15	210	8.2800	7.8900	7.5800	4.43	1.51	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	153	4.8100	5.3100	5.3400	5.78	1.85	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	162	9.7100	10.7800	9.8000	5.88	2.08	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	183	9.1600	8.1000	9.4100	7.82	2.72	3.2	0	9.78	0
Moisture (%AR)	500.70	Commerc. Anal.	182	8.4950	9.9600	10.2350	9.78	3.44	3.2	0	9.78	0

Δ9-THC (%DW)

Δ9-THC (%DW)	501.10	Other LC-UV	189	0.1551	0.1542	0.1543	0.32	0.06	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.1420	0.1410	0.1420	0.41	0.08	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.1820	0.1839	0.1837	0.57	0.11	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.1500	0.1510	0.1490	0.67	0.13	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.1474	0.1475	0.1507	1.26	0.24	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.1670	0.1686	0.1625	1.9	0.36	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.1225	0.1181	0.1187	1.99	0.36	1.15	0.32	2.06	0
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.1510	0.1455	0.1460	2.06	0.39	1.15	0.32	2.06	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
		Δ9-THCA (%DW)										
Δ9-THCA (%DW)	502.30	Other LC-MS	102	<0.0510	<0.0530	<0.0520						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	0.0549	0.0556	0.0537	1.76	0.28	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0221	0.0222	0.0233	2.95	0.42	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0333	0.0342	0.0323	2.86	0.43	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.0300	0.0280	0.0300	3.94	0.58	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0277	0.0317	0.0296	6.74	1	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0340	0.0294	0.0316	7.27	1.08	5.13	1.76	30.4	0
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0363	0.0206	0.0381	30.4	4.54	5.13	1.76	30.4	0
		CBD (%DW)										
CBD (%DW)	503.10	Other LC-UV	189	4.8792	4.8726	4.8807	0.09	0.03	1.45	0.09	2.2	0
CBD (%DW)	503.01	AOAC 2018.10	210	5.2780	5.2500	5.2290	0.47	0.15	1.45	0.09	2.2	0
CBD (%DW)	503.10	Other LC-UV	116	5.1186	5.0839	5.2435	1.63	0.52	1.45	0.09	2.2	0
CBD (%DW)	503.10	Other LC-UV	162	5.0016	4.8083	4.8412	2.12	0.67	1.45	0.09	2.2	0
CBD (%DW)	503.02	AOAC 2018.11, U	103	4.6334	4.8386	4.7049	2.2	0.7	1.45	0.09	2.2	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	5.2258	5.3717	5.4543	2.16	0.7	1.45	0.09	2.2	0
		CBDA (%DW)										
CBDA (%DW)	504.10	Other LC-UV	189	2.9019	2.8974	2.9028	0.1	0.03	0.95	0.1	2.35	0
CBDA (%DW)	504.01	AOAC 2018.10	228	4.1399	4.1482	4.1376	0.14	0.04	0.95	0.1	2.35	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDA (%DW)	504.02	AOAC 2018.11, U	199	3.1052	3.1391	3.1226	0.54	0.16	0.95	0.1	2.35	0
CBDA (%DW)	504.01	AOAC 2018.10	210	3.4030	3.4010	3.3650	0.63	0.19	0.95	0.1	2.35	0
CBDA (%DW)	504.10	Other LC-UV	116	3.0269	2.9666	2.9600	1.24	0.36	0.95	0.1	2.35	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	2.7010	2.7618	2.7882	1.63	0.47	0.95	0.1	2.35	0
CBDA (%DW)	504.10	Other LC-UV	162	2.9218	2.7896	2.8764	2.35	0.69	0.95	0.1	2.35	0

CBN (%DW)

CBN (%DW)	505.10	Other LC-UV	162	0.0610	0.0605	0.0601	0.74	0.12	3.39	0.74	86.8	0
CBN (%DW)	505.10	Other LC-UV	189	0.0625	0.0637	0.0623	1.21	0.2	3.39	0.74	86.8	0
CBN (%DW)	505.10	Other LC-UV	116	0.0766	0.0788	0.0795	1.93	0.33	3.39	0.74	86.8	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0666	0.0694	0.0679	2.06	0.35	3.39	0.74	86.8	0
CBN (%DW)	505.30	GC-FID	116	0.0705	0.0735	0.0703	2.51	0.42	3.39	0.74	86.8	0
CBN (%DW)	505.30	GC-FID	192	0.0929	0.1064	0.0993	6.78	1.2	3.39	0.74	86.8	0
CBN (%DW)	505.10	Other LC-UV	192	0.0000	0.0937	0.1012	86.8	14.43	3.39	0.74	86.8	0

Total Δ9-THC (%DW)

Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.1600	0.1600	0.1600	0	0	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.1760	0.1760	0.1750	0.33	0.06	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2039	0.2058	0.2056	0.51	0.1	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.1766	0.1775	0.1790	0.68	0.13	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.1786	0.1772	0.1756	0.85	0.16	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.1419	0.1376	0.1391	1.56	0.29	4.19	0	13.7	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)	506.10	Other LC-UV	162	0.1971	0.1939	0.1907	1.65	0.32	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.1701	0.1683	0.1626	2.34	0.45	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.1869	0.1722	0.1876	4.77	0.93	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.40	GC-FID	192	0.1530	0.1768	0.1617	7.35	1.4	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.40	GC-FID	138	0.1899	0.1619	0.1688	8.41	1.62	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	182	0.1365	0.1135	0.1263	9.19	1.69	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.1510	0.1840	0.1670	9.86	1.89	4.19	0	13.7	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.2207	0.1756	0.1754	13.7	2.68	4.19	0	13.7	0

Total CBD (%DW)												
Total CBD (%DW)	507.10	Other LC-UV	189	7.4242	7.4136	7.4265	0.09	0.03	2.64	0.09	9.25	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	8.2620	8.2330	8.1800	0.51	0.17	2.64	0.09	9.25	0
Total CBD (%DW)	507.10	Other LC-UV	116	7.7732	7.6856	7.8394	0.99	0.34	2.64	0.09	9.25	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	7.9491	8.1247	8.1928	1.55	0.53	2.64	0.09	9.25	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	103	7.0022	7.2607	7.1501	1.82	0.61	2.64	0.09	9.25	0
Total CBD (%DW)	507.10	Other LC-UV	162	7.5645	7.2551	7.3636	2.12	0.72	2.64	0.09	9.25	0
Total CBD (%DW)	507.40	GC-FID	138	9.1518	9.5155	9.6342	2.66	0.93	2.64	0.09	9.25	0
Total CBD (%DW)	507.40	GC-FID	116	7.9739	7.8283	8.3909	3.62	1.24	2.64	0.09	9.25	0
Total CBD (%DW)	507.40	GC-FID	192	7.7040	8.3806	7.3779	6.54	2.23	2.64	0.09	9.25	0
Total CBD (%DW)	507.10	Other LC-UV	192	10.7838	12.0681	10.0654	9.25	3.32	2.64	0.09	9.25	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			CBDV (%DW)									
CBDV (%DW)	508.02	AOAC 2018.11, U	210	0.0420	0.0420	0.0410	1.39	0.22			0	
CBDV (%DW)	508.99	Other	189	0.0343	0.0337	0.0297	7.68	1.15			0	
CBDV (%DW)	508.99	Other	162	0.0377	0.0327	0.0335	7.75	1.17			0	
			CBDVA (%DW)									
CBDVA (%DW)	509.01	AOAC 2018.10	210	0.0280	0.0190	0.0240	19.1	2.72			0	
			CBG (%DW)									
CBG (%DW)	510.99	Other	189	0.2074	0.2078	0.2088	0.35	0.07			0	
CBG (%DW)	510.01	AOAC 2018.10	210	0.1880	0.1890	0.1920	1.1	0.21			0	
CBG (%DW)	510.99	Other	162	0.1786	0.1762	0.1712	2.15	0.42			0	
			CBGA (%DW)									
CBGA (%DW)	511.99	Other	189	0.1473	0.1493	0.1483	0.67	0.13			0	
CBGA (%DW)	511.01	AOAC 2018.10	210	0.0640	0.0540	0.0620	8.82	1.45			0	
CBGA (%DW)	511.99	Other	162	0.1477	0.1735	0.1565	8.24	1.57			0	
			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	

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ8-THC (%DW)									
Δ8-THC (%DW)	513.99	Other	162	<0.0100	<0.0100	<0.0100						1
Δ8-THC (%DW)	513.99	Other	189	0.0135	0.0135	0.0135	0	0				0
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.0150	0.0150	0.0130	8.06	1.07				0
			CBC (%DW)									
CBC (%DW)	514.99	Other	162	0.2333	0.2378	0.2383	1.16	0.24				0
CBC (%DW)	514.99	Other	189	0.2631	0.2938	0.2631	6.48	1.34				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