

Hemp Proficiency Testing

All Labs Precision

HM23SEP-2 (hemp)



Sample: HM23SEP-2 (hemp)

All Labs Precision

Issue Date: November 2, 2023

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.60	NIR	187	0.185								1
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.1851	0.1835	0.1843	0.43	0.08	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1727	0.1715	0.1732	0.51	0.1	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	113	0.168	0.17	0.169	0.59	0.11	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.2015	0.2	0.203	0.74	0.15	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1867	0.1871	0.1896	0.84	0.16	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.1909	0.1875	0.1914	1.12	0.22	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.143	0.1402	0.1436	1.28	0.24	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.16	0.163	0.164	1.28	0.24	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.99	Other	215	0.1901	0.1954	0.1935	1.39	0.27	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.1931	0.1927	0.1995	1.96	0.38	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	142	0.181	0.179	0.174	2.03	0.39	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1737	0.1795	0.1803	2.03	0.39	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.147	0.141	0.146	2.22	0.42	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1608	0.1666	0.1699	2.78	0.53	3.63	0.43	11.9	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	0.171	0.166	0.176	2.92	0.56	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.1951	0.203	0.1917	2.95	0.58	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.18	0.19	0.18	3.15	0.61	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.1841	0.1774	0.1714	3.58	0.69	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1468	0.1553	0.145	3.69	0.7	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.1842	0.1972	0.1957	3.7	0.72	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.163	0.175	0.174	3.9	0.75	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.2336	0.2189	0.2159	4.25	0.85	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.166	0.156	0.152	4.56	0.87	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.1933	0.1772	0.1905	4.6	0.9	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.072	0.065	0.071	5.46	0.92	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.21	0.2	0.22	4.76	0.94	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.184	0.165	0.176	5.45	1.05	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.1824	0.1852	0.2033	5.96	1.16	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	225	0.128	0.1188	0.1116	6.88	1.25	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1888	0.1771	0.1598	8.33	1.61	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.2	0.18	0.17	8.33	1.62	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1676	0.1415	0.1477	8.96	1.69	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.158	0.1895	0.1689	9.29	1.79	3.63	0.43	11.9	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.2343	0.188	0.1973	11.9	2.35	3.63	0.43	11.9	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)									
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0249	0	0.0207						1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	161	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.99	Other	215	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.60	NIR	187	0.033								1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0754	<0.0728	<0.0728						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.04	0.04	0.04	0	0	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0411	0.0408	0.0412	0.51	0.08	4.85	0	23.2	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.0553	0.0554	0.0559	0.58	0.09	4.85	0	23.2	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.039	0.039	0.04	1.47	0.23	4.85	0	23.2	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	0.0405	0.04	0.039	1.92	0.3	4.85	0	23.2	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0437	0.0457	0.0449	2.25	0.35	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	113	0.044	0.045	0.043	2.27	0.36	4.85	0	23.2	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.051	0.049	0.051	2.29	0.37	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0481	0.0495	0.047	2.6	0.41	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	149	0.042	0.044	0.042	2.71	0.42	4.85	0	23.2	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	0.044	0.046	0.0438	2.73	0.43	4.85	0	23.2	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.049	0.047	0.046	3.23	0.51	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0.0495	0.0463	0.0479	3.34	0.53	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0512	0.0478	0.0501	3.49	0.56	4.85	0	23.2	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0523	0.0533	0.0565	4.06	0.66	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0336	0.032	0.0351	4.62	0.7	4.85	0	23.2	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	184	0.0408	0.0409	0.0442	4.61	0.72	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0284	0.0295	0.0267	5	0.73	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.0454	0.0488	0.0443	5.08	0.8	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.03	0.033	0.033	5.41	0.81	4.85	0	23.2	0
Δ9-THCA (%AR)	002.30	Other LC-MS	122	0.0522	0.0478	0.0528	5.36	0.86	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	142	0.0297	0.0289	0.0264	6.08	0.89	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0569	0.0525	0.051	5.74	0.93	4.85	0	23.2	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0674	0.0623	0.0741	8.71	1.46	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.0925	0.1034	0.0864	9.15	1.61	4.85	0	23.2	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.05	0.048	0.04	11.5	1.82	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	163	0.043	0.0373	0.0473	11.8	1.84	4.85	0	23.2	0
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0.014	0.01	0.013	16.9	2.19	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.039	0.045	0.052	14.4	2.26	4.85	0	23.2	0
Δ9-THCA (%AR)	002.10	Other LC-UV	225	0.0291	0.026	0.0181	23.2	3.34	4.85	0	23.2	0

CBD (%AR)

CBD (%AR)	003.60	NIR	187	2.938								1
CBD (%AR)	003.10	Other LC-UV	191	3.5899	3.566	3.5779	0.33	0.1	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	170	3.6337	3.59	3.5746	0.85	0.26	2.31	0.33	7.47	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	3.7775	3.714	3.753	0.85	0.26	2.31	0.33	7.47	0
CBD (%AR)	003.30	Other LC-MS	164	3.8217	3.8515	3.7824	0.91	0.28	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	189	3.3278	3.2805	3.3383	0.93	0.28	2.31	0.33	7.47	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	155	3.022	2.977	2.961	1.06	0.31	2.31	0.33	7.47	0
CBD (%AR)	003.99	Other	215	3.587	3.669	3.6209	1.14	0.35	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	197	4.0482	3.9437	3.9913	1.31	0.4	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	184	3.273	3.191	3.198	1.41	0.42	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	142	3.72	3.65	3.61	1.52	0.46	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	149	3.502	3.612	3.538	1.58	0.48	2.31	0.33	7.47	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	3.82	3.82	3.7	1.83	0.56	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	106	3.87	3.77	3.91	1.87	0.57	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	113	3.91	4.04	4.09	2.32	0.71	2.31	0.33	7.47	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	3.319	3.423	3.255	2.54	0.76	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	196	3.432	3.396	3.568	2.62	0.79	2.31	0.33	7.47	0
CBD (%AR)	003.30	Other LC-MS	122	4.074	3.8582	3.9913	2.74	0.84	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	116	4.3239	4.0989	4.3516	3.25	1.01	2.31	0.33	7.47	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	3.618	3.568	3.8039	3.39	1.03	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	163	4.0883	3.777	3.8483	4.18	1.28	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	144	4.1252	4.0103	3.774	4.51	1.39	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	141	3.7548	3.6679	4.032	4.98	1.53	2.31	0.33	7.47	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	3.2391	3.5871	3.475	5.17	1.56	2.31	0.33	7.47	0
CBD (%AR)	003.10	Other LC-UV	192	4.1285	4.13	3.6174	7.47	2.3	2.31	0.33	7.47	0

CBDA (%AR)

CBDA (%AR)	004.60	NIR	187	3.72								1
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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	191	3.5412	3.538	3.5396	0.05	0.01	3.31	0.05	11.7	0
CBDA (%AR)	004.99	Other	215	2.9076	2.9237	2.8933	0.52	0.15	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	189	2.7976	2.7758	2.8145	0.69	0.2	3.31	0.05	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	3.4035	3.371	3.4485	1.14	0.34	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	197	3.3327	3.2825	3.3738	1.37	0.41	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	184	3.302	3.38	3.255	1.91	0.57	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	106	3.38	3.26	3.39	2.16	0.65	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	142	2.78	2.72	2.65	2.39	0.7	3.31	0.05	11.7	0
CBDA (%AR)	004.30	Other LC-MS	164	4.5206	4.46	4.3249	2.26	0.71	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	149	3.071	3.164	3.223	2.43	0.72	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	155	2.502	2.463	2.378	2.59	0.74	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	196	2.995	2.906	3.078	2.87	0.85	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	116	3.5718	3.5979	3.4076	2.93	0.89	3.31	0.05	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	3.171	3.166	2.984	3.43	1.02	3.31	0.05	11.7	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	3.5753	3.6235	3.8527	4.02	1.23	3.31	0.05	11.7	0
CBDA (%AR)	004.30	Other LC-MS	122	3.4724	3.2322	3.5301	4.63	1.4	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	141	3.115	3.1183	3.3943	5	1.49	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	170	3.3399	3.3762	3.661	5.08	1.53	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	144	3.4293	3.3764	3.0931	5.48	1.64	3.31	0.05	11.7	0
CBDA (%AR)	004.10	Other LC-UV	163	3.6273	3.525	3.9317	5.73	1.75	3.31	0.05	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	2.712	3.0703	2.905	6.19	1.82	3.31	0.05	11.7	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	3.11	3.49	3.48	6.45	1.94	3.31	0.05	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	192	3.3717	2.9797	2.6683	11.7	3.47	3.31	0.05	11.7	0
CBN (%AR)												
CBN (%AR)	005.10	Other LC-UV	197	<0.0754	<0.0728	<0.0728						1
CBN (%AR)	005.30	GC-FID	138	0.0468	0.052	<0.0200						1
CBN (%AR)	005.10	Other LC-UV	189	0.0417	0.0413	0.042	0.84	0.13	5.76	0.84	27.1	0
CBN (%AR)	005.20	Other LC-MS	122	0.0489	0.0482	0.0477	1.25	0.2	5.76	0.84	27.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.039	0.0385	0.0395	1.28	0.2	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	144	0.0382	0.0391	0.0382	1.35	0.21	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	142	0.0381	0.0372	0.0362	2.56	0.39	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	116	0.0662	0.0705	0.0655	4.02	0.67	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	149	0.041	0.0434	0.045	4.67	0.73	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	196	0.039	0.038	0.042	5.25	0.81	5.76	0.84	27.1	0
CBN (%AR)	005.30	GC-FID	192	0.0377	0.042	0.0394	5.46	0.84	5.76	0.84	27.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0653	0.0599	0.0585	5.86	0.97	5.76	0.84	27.1	0
CBN (%AR)	005.30	GC-FID	116	0.0424	0.048	0.0469	6.48	1.02	5.76	0.84	27.1	0
CBN (%AR)	005.30	GC-FID	163	0.0597	0.0603	0.0533	6.72	1.1	5.76	0.84	27.1	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0422	0.0424	0.0477	7.07	1.11	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	141	0.0228	0.0279	0.0242	10.6	1.52	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	106	0.06	0.05	0.06	10.2	1.66	5.76	0.84	27.1	0
CBN (%AR)	005.10	Other LC-UV	192	0.0493	0.0378	0.0362	17.4	2.7	5.76	0.84	27.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.036	0.036	0.056	27.1	4.23	5.76	0.84	27.1	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)												
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.221	0.223							1
Total Δ9-THC (%AR)	006.60	NIR	187	0.218								1
Total Δ9-THC (%AR)	006.10	Other LC-UV	182	0.1679	0.1661	0.167	0.54	0.1	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.237	0.2351	0.2372	0.49	0.1	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.2087	0.2073	0.2093	0.49	0.1	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.2366	0.2331	0.2343	0.76	0.15	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.2285	0.2241	0.2263	0.97	0.19	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1942	0.1972	0.1991	1.26	0.25	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.246	0.245	0.2516	1.44	0.29	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1994	0.2034	0.1965	1.73	0.34	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.1098	0.1125	0.114	1.9	0.34	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.2119	0.2084	0.2168	1.99	0.39	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.2081	0.2063	0.2001	2.05	0.4	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.2	0.196	0.192	2.04	0.4	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.2135	0.2223	0.2192	2.04	0.41	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.192	0.184	0.191	2.31	0.45	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.2436	0.2516	0.2408	2.28	0.46	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.239	0.2395	0.249	2.32	0.47	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.207	0.204	0.197	2.53	0.5	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.198	0.195	0.205	2.57	0.51	3.71	0.49	23.9	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	197	0.1608	0.1666	0.1699	2.78	0.53	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.254	0.242	0.255	2.89	0.59	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.2227	0.2178	0.2098	3	0.6	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	128	0.2233	0.2366	0.2252	3.15	0.63	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.2263	0.2406	0.2369	3.16	0.64	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.2	0.213	0.211	3.37	0.67	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	161	0.1468	0.1553	0.145	3.69	0.7	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.2785	0.2608	0.2599	3.94	0.81	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.239	0.2191	0.2368	4.71	0.95	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2207	0.2253	0.2427	5.05	1.02	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.243	0.219	0.241	5.68	1.15	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.0843	0.0738	0.0824	6.98	1.2	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.2093	0.2373	0.2136	6.85	1.37	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2699	0.2678	0.2356	7.46	1.53	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.24	0.2129	0.2058	8.22	1.64	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	225	0.1535	0.1416	0.1275	9.24	1.73	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.25	0.22	0.21	9.18	1.84	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1894	0.1415	0.1658	14.5	2.77	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.191	0.202	0.289	23.6	4.74	3.71	0.49	23.9	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.28	0.1843	0.2967	23.9	4.88	3.71	0.49	23.9	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)									
Total CBD (%AR)	007.60	NIR	187	6.203								1
Total CBD (%AR)	007.10	Other LC-UV	191	6.695	6.668	6.682	0.2	0.07	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	138	7.2692	7.1864	7.2688	0.66	0.22	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	170	5.63	5.7017	5.6274	0.75	0.24	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	189	5.7813	5.7149	5.8066	0.82	0.27	2.48	0.2	8.77	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	6.7624	6.6704	6.7773	0.86	0.29	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	116	6.7217	6.6012	6.7405	1.13	0.38	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	197	6.971	6.8225	6.9501	1.16	0.39	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	116	7.4564	7.2543	7.3401	1.38	0.47	2.48	0.2	8.77	0
Total CBD (%AR)	007.30	Other LC-MS	164	7.7862	7.7629	7.5753	1.5	0.51	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	155	5.22	5.14	5.05	1.66	0.53	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	149	6.196	6.386	6.365	1.65	0.54	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	142	6.16	6.04	5.93	1.9	0.62	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	169	6.1619	6.0215	6.2981	2.25	0.74	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	192	4.0811	4.2905	4.1676	2.52	0.78	2.48	0.2	8.77	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	6.55	6.88	6.75	2.47	0.82	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	196	6.058	5.944	6.267	2.69	0.88	2.48	0.2	8.77	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	6.1	6.1996	5.872	2.77	0.91	2.48	0.2	8.77	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	4.562	4.689	4.862	3.2	1.01	2.48	0.2	8.77	0
Total CBD (%AR)	007.30	Other LC-MS	122	7.1193	6.6929	7.0871	3.41	1.14	2.48	0.2	8.77	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	6.7535	6.7458	7.1827	3.63	1.21	2.48	0.2	8.77	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	144	7.1334	6.9721	6.4873	4.9	1.64	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	141	6.4867	6.4026	7.0087	4.95	1.65	2.48	0.2	8.77	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	161	5.6175	6.2798	6.0227	5.59	1.83	2.48	0.2	8.77	0
Total CBD (%AR)	007.40	GC-FID	163	7.077	5.974	6.6027	8.45	2.81	2.48	0.2	8.77	0
Total CBD (%AR)	007.10	Other LC-UV	192	7.0855	6.7433	5.9575	8.77	2.92	2.48	0.2	8.77	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0754	<0.0728	<0.0728						1
CBDV (%AR)	008.99	Other	142	0.0308	0.0321	0.0303	2.99	0.45				0
CBDV (%AR)	008.99	Other	196	0.023	0.022	0.024	4.35	0.62				0
CBDV (%AR)	008.99	Other	106	0.06	0.05	0.05	10.8	1.75				0
CBDV (%AR)	008.99	Other	189	0.0251	0.0182	0.0224	15.9	2.24				0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	197	<0.0754	<0.0728	<0.0728						1
CBDVA (%AR)	009.99	Other	142	0.0277	0.0282	0.0263	3.59	0.53				0
CBDVA (%AR)	009.99	Other	196	0.024	0.024	0.026	4.68	0.67				0
CBDVA (%AR)	009.99	Other	149	0.074	0.089	0.071	12.4	2.11				0

CBG (%AR)

CBG (%AR)	010.99	Other	196	0.249	0.249	0.25	0.23	0.05	3.53	0.23	5.13	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.301	0.297	0.286	2.64	0.55	3.53	0.23	5.13	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	0.362	0.378	0.382	2.83	0.61	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	106	0.31	0.32	0.33	3.12	0.66	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	141	0.3083	0.2886	0.2937	3.44	0.72	3.53	0.23	5.13	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.337	0.359	0.339	3.53	0.75	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	189	0.338	0.3215	0.3476	3.93	0.84	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	142	0.3	0.282	0.278	4.09	0.85	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	149	0.292	0.312	0.32	4.68	0.98	3.53	0.23	5.13	0
CBG (%AR)	010.99	Other	197	0.2412	0.2447	0.265	5.13	1.05	3.53	0.23	5.13	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	106	0.35	0.35	0.35	0	0	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	189	0.3336	0.331	0.3348	0.58	0.12	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	142	0.313	0.305	0.305	1.5	0.32	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	141	0.3075	0.2972	0.3017	1.71	0.36	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	197	0.3789	0.3689	0.3641	2.04	0.44	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	196	0.328	0.331	0.342	2.21	0.47	2.72	0	7.57	0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.356	0.368	0.344	3.37	0.72	2.72	0	7.57	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.389	0.348	0.351	6.3	1.36	2.72	0	7.57	0
CBGA (%AR)	011.99	Other	149	0.348	0.376	0.405	7.57	1.64	2.72	0	7.57	0

THCV (%AR)

THCV (%AR)	012.99	Other	197	<0.0754	<0.0728	<0.0728						1
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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	149	<0.0250	<0.0250	<0.0250						1
THCV (%AR)	012.99	Other	142	<0.0022	<0.0022	<0.0022						1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300						1
THCV (%AR)	012.99	Other	196	<0.0205	<0.0205	<0.0205						1
THCV (%AR)	012.99	Other	189	0.0426	0.0106	0.0461	59.1	8.88				0

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	196	<0.0205	<0.0205	<0.0205						1
Δ8-THC (%AR)	013.99	Other	142	<0.0022	<0.0022	<0.0022						1
Δ8-THC (%AR)	013.99	Other	149	<0.0250	<0.0250	<0.0250						1
Δ8-THC (%AR)	013.99	Other	106	<0.0300	<0.0300	<0.0300						1
Δ8-THC (%AR)	013.99	Other	197	<0.0754	<0.0728	<0.0728						1
Δ8-THC (%AR)	013.99	Other	141	<0.0120	<0.0120	<0.0120						1
Δ8-THC (%AR)	013.99	Other	189	0.0067	0.0065	0.007	3.74	0.44				0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.206	0.2042	0.2062	0.54	0.11	2.3	0.54	4.18	0
CBC (%AR)	014.99	Other	155	0.187	0.185	0.184	0.82	0.16	2.3	0.54	4.18	0
CBC (%AR)	014.99	Other	196	0.209	0.207	0.214	1.72	0.34	2.3	0.54	4.18	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.233	0.231	0.223	2.31	0.46	2.3	0.54	4.18	0
CBC (%AR)	014.99	Other	106	0.23	0.23	0.24	2.47	0.5	2.3	0.54	4.18	0
CBC (%AR)	014.99	Other	142	0.218	0.212	0.207	2.59	0.52	2.3	0.54	4.18	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	149	0.213	0.228	0.227	3.77	0.75	2.3	0.54	4.18	0
CBC (%AR)	014.99	Other	197	0.2111	0.2039	0.1942	4.18	0.82	2.3	0.54	4.18	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	<0.2000	<0.2000	<0.2000						1
Cd (ug/g AR)	101.04	ICP-MS	142	0.154	0.155	0.149	2.11	0.4				0
Cd (ug/g AR)	101.04	ICP-MS	106	0.121	0.128	0.12	3.54	0.65				0
Cd (ug/g AR)	101.04	ICP-MS	196	0.115	0.126	0.126	5.19	0.95				0
Cd (ug/g AR)	101.04	ICP-MS	102	0.143	0.1701	0.1479	9.4	1.78				0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1626	0.1223	0.1432	14.1	2.64				0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	197	<0.0975	<0.0975	<0.0996						1
As (ug/g AR)	102.04	ICP-MS	141	<0.2000	<0.2000	<0.2000						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	106	0.088	0.079	0.083	5.41	0.93				0
As (ug/g AR)	102.04	ICP-MS	196	0.109	0.101	0.115	6.48	1.16				0
As (ug/g AR)	102.04	ICP-MS	102	0.09	0.0901	0.11	11.9	2.1				0
As (ug/g AR)	102.04	ICP-MS	142	0.112	0.128	0.101	11.9	2.16				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	141	<0.1000	<0.1000	<0.1000						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0975	<0.0975	<0.0996						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	196	<0.0070	<0.0070	<0.0070						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	142	0.01	0.0098	0.0094	3.14	0.39				0
Hg (ug/g AR)	103.04	ICP-MS	102	0.0051	0.0046	0.0056	9.8	1.11				0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	197	0.6672	0.632	0.6352	3.02	0.71	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	106	0.598	0.648	0.644	4.41	1.03	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.8925	0.9077	0.8222	5.22	1.28	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	142	0.674	0.758	0.691	6.28	1.49	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.7382	0.8431	0.814	6.78	1.64	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.843	0.863	0.975	7.96	1.96	6.3	3.02	14.6	0
Pb (ug/g AR)	104.04	ICP-MS	141	0.74	0.865	0.646	14.6	3.51	6.3	3.02	14.6	0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	196	9.35	9.47	9.42	0.64	0.22				0
Cu (ug/g AR)	105.04	ICP-MS	142	15.6	14.8	15.5	2.85	1.07				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	196	1.15	1.23	1.21	3.48	0.9				0
Ni (ug/g AR)	106.04	ICP-MS	142	1.27	1.27	1.36	4	1.04				0
Ni (ug/g AR)	106.04	ICP-MS	141	1.57	1.42	1.47	5.14	1.37				0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	141	<4.0000	<4.0000	<4.0000						1
Cr (ug/g AR)	107.04	ICP-MS	197	<2.0000	<2.0000	<2.0000						1
Cr (ug/g AR)	107.04	ICP-MS	142	1	0.955	0.904	5.04	1.25				0
Cr (ug/g AR)	107.04	ICP-MS	196	1.22	1.42	1.41	8.35	2.19				0
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	141	<1.0000	<1.0000	<1.0000						1
Se (ug/g AR)	108.04	ICP-MS	197	<0.0975	<0.0975	<0.0996						1
Se (ug/g AR)	108.04	ICP-MS	196	0.1	0.1	0.111	6.13	1.09				0
Se (ug/g AR)	108.04	ICP-MS	142	0.076	0.107	0.066	25.8	4.44				0
Ag (ug/g AR)												
Ag (ug/g AR)	109.04	ICP-MS	142	0.0115	0.0178	0.0123	24.7	3.26				0
Ba (ug/g AR)												
Ba (ug/g AR)	110.04	ICP-MS	142	0.208	0.157	0.186	13.9	2.71				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	65.8	69.4	68.8	2.84	1.34			0	
Zn (ug/g AR)	111.04	ICP-MS	196	57.8	60.8	61.3	3.16	1.46			0	
		Sb (ug/g AR)										
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0240	<0.0240	<0.0240					1	
		(-)-alpha-Bisabolol (%AR)										
(-)-alpha-Bisabolol (%A	201.01	GC,FID	142	0.0777	0.0838	0.0774	4.54	0.78			0	
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0274	0.0291	0.0246	8.41	1.23			0	
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.0672	0.0796	0.0885	13.6	2.33			0	
		beta-Caryophyllene (%AR)										
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.0650	<0.0650	<0.0650					1	
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0319	0.0342	0.0314	4.59	0.69			0	
beta-Caryophyllene (%)	202.01	GC,FID	142	0.0416	0.0429	0.037	7.65	1.19			0	
		(-)-Caryophyllene oxide (%AR)										
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0650	<0.0650	<0.0650					1	
(-)-Caryophyllene oxide	203.01	GC,FID	142	0.0185	0.0195	0.0185	3.07	0.42			0	

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Geraniol (%AR)												
Geraniol (%AR)	204.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Geraniol (%AR)	204.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
alpha-Humulene (%AR)	205.01	GC,FID	142	0.0223	0.0223	0.0208	3.97	0.56				0
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0149	0.0151	0.0119	12.8	1.69				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	<0.0013	<0.0013	<0.0013						1
d-Limonene (%AR)	206.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)	207.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Linalool (%AR)	207.02	GC,MS	196	0.0016	0.0018	0.0016	6.93	0.67				0
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	0.0014	<0.0013						1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
beta-Myrcene (%AR)	208.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Nopinene (%AR)												
Nopinene (%AR)	209.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Ocimene (%AR)	210.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Pinene (%AR)	211.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
(-)-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

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
alpha-Terpinene (%AR)	213.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013						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	<0.0013	<0.0013	<0.0013						1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinolene (%A	215.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Moisture (%AR)												
Moisture (%AR)	500.72	NIR	187	8.725								1
Moisture (%AR)	500.70	Commerc. Anal.	189	7.138	7.138	7.138	0	0	2.73	0	8.41	0
Moisture (%AR)	500.72	NIR	138	8.65	8.6	8.65	0.33	0.12	2.73	0	8.41	0
Moisture (%AR)	500.70	Commerc. Anal.	106	8.49	8.65	8.66	1.11	0.38	2.73	0	8.41	0
Moisture (%AR)	500.70	Commerc. Anal.	182	9.57	9.65	9.785	1.12	0.4	2.73	0	8.41	0
Moisture (%AR)	500.70	Commerc. Anal.	116	7.7	7.79	7.9	1.28	0.44	2.73	0	8.41	0
Moisture (%AR)	500.99	Other	165	9.2182	9.3591	9.506	1.54	0.54	2.73	0	8.41	0
Moisture (%AR)	500.99	Other	102	9.5	9.4	9.2	1.63	0.57	2.73	0	8.41	0
Moisture (%AR)	500.50	AOAC 930.15	199	11.8614	12.0788	11.6117	1.97	0.72	2.73	0	8.41	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Moisture (%AR)	500.99	Other	120	8.9787	8.6267	8.6262	2.33	0.81	2.73	0	8.41	0
Moisture (%AR)	500.99	Other	103	7.35	6.99	7.19	2.51	0.85	2.73	0	8.41	0
Moisture (%AR)	500.50	AOAC 930.15	210	9.64	9.28	8.94	3.77	1.32	2.73	0	8.41	0
Moisture (%AR)	500.99	Other	215	8.9993	9.7239	9.7523	4.5	1.58	2.73	0	8.41	0
Moisture (%AR)	500.70	Commerc. Anal.	153	5.62	6.19	6.01	4.91	1.61	2.73	0	8.41	0
Moisture (%AR)	500.70	Commerc. Anal.	162	10.58	11	10	4.77	1.7	2.73	0	8.41	0
Moisture (%AR)	500.50	AOAC 930.15	192	9.995	10.64	11.2471	5.89	2.1	2.73	0	8.41	0
Moisture (%AR)	500.99	Other	142	7.2	7.4	6.3	8.41	2.82	2.73	0	8.41	0

Δ9-THC (%DW)

Δ9-THC (%DW)	501.60	NIR	187	0.205								1
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.1859	0.1847	0.1865	0.49	0.1	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.2286	0.2275	0.2297	0.48	0.1	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.2057	0.2064	0.2095	0.98	0.19	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.1727	0.1756	0.1763	1.09	0.21	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.189	0.194	0.19	1.39	0.27	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.99	Other	215	0.21	0.2159	0.2137	1.4	0.28	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.1947	0.2003	0.195	1.6	0.31	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	120	0.2022	0.1942	0.1875	3.78	0.74	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.2526	0.2374	0.2342	4.07	0.82	1.99	0.48	4.79	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.316	0.288	0.309	4.79	1	1.99	0.48	4.79	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)	502.60	NIR	187	0.0225								1
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0442	0.0439	0.0444	0.57	0.09	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0421	0.042	0.043	1.3	0.2	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0529	0.0527	0.0513	1.67	0.27	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	199	0.046	0.0455	0.0441	2.18	0.34	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.043	0.045	0.045	2.6	0.41	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	120	0.0483	0.0503	0.048	2.56	0.41	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0554	0.0519	0.0544	3.34	0.54	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0627	0.0579	0.0564	5.58	0.91	2.87	0.57	56.9	0
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0.024	0.023	0.058	56.9	8.63	2.87	0.57	56.9	0
CBD (%DW)												
CBD (%DW)	503.60	NIR	187	3.265								1
CBD (%DW)	503.02	AOAC 2018.11, U	199	4.2859	4.2242	4.246	0.74	0.23	2.24	0.74	6.67	0
CBD (%DW)	503.10	Other LC-UV	189	3.5836	3.5326	3.5949	0.93	0.28	2.24	0.74	6.67	0
CBD (%DW)	503.01	AOAC 2018.10	210	3.912	3.9	4.006	1.47	0.45	2.24	0.74	6.67	0
CBD (%DW)	503.99	Other	215	3.8843	4.0528	3.9996	2.16	0.67	2.24	0.74	6.67	0
CBD (%DW)	503.02	AOAC 2018.11, U	103	3.5823	3.6882	3.4996	2.63	0.8	2.24	0.74	6.67	0
CBD (%DW)	503.10	Other LC-UV	116	4.676	4.4457	4.7197	3.19	1.01	2.24	0.74	6.67	0
CBD (%DW)	503.10	Other LC-UV	162	3.8577	4.3637	3.9455	6.67	2.06	2.24	0.74	6.67	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBDA (%DW)												
CBDA (%DW)	504.60	NIR	187	3.53								1
CBDA (%DW)	504.99	Other	215	3.2117	3.2379	3.1959	0.66	0.2	3.78	0.66	45	0
CBDA (%DW)	504.10	Other LC-UV	189	3.0126	2.9892	3.0308	0.69	0.2	3.78	0.66	45	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	3.8615	3.8341	3.9015	0.88	0.27	3.78	0.66	45	0
CBDA (%DW)	504.10	Other LC-UV	116	3.8627	3.9023	3.6959	2.87	0.88	3.78	0.66	45	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	3.4226	3.4113	3.2083	3.6	1.08	3.78	0.66	45	0
CBDA (%DW)	504.10	Other LC-UV	162	3.3096	3.7895	3.3522	7.62	2.3	3.78	0.66	45	0
CBDA (%DW)	504.01	AOAC 2018.10	210	9.92	9.947	3.789	45	15.37	3.78	0.66	45	0
CBN (%DW)												
CBN (%DW)	505.10	Other LC-UV	189	0.0449	0.0445	0.0452	0.78	0.12	3.53	0.78	16.9	0
CBN (%DW)	505.10	Other LC-UV	162	0.0474	0.0478	0.047	0.84	0.13	3.53	0.78	16.9	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0442	0.0438	0.0447	1.02	0.16	3.53	0.78	16.9	0
CBN (%DW)	505.02	AOAC 2018.11, U	210	0.038	0.039	0.04	2.56	0.39	3.53	0.78	16.9	0
CBN (%DW)	505.10	Other LC-UV	116	0.0716	0.0765	0.0711	4.08	0.69	3.53	0.78	16.9	0
CBN (%DW)	505.30	GC-FID	116	0.046	0.0521	0.0509	6.51	1.04	3.53	0.78	16.9	0
CBN (%DW)	505.10	Other LC-UV	192	0.0551	0.0425	0.0408	16.9	2.67	3.53	0.78	16.9	0
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.60	NIR	187	0.219								1
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2689	0.2674	0.2684	0.28	0.06	2.69	0.28	14.1	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	182	0.1856	0.1838	0.1851	0.5	0.1	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2247	0.2232	0.2254	0.5	0.1	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.2606	0.2572	0.259	0.66	0.13	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.2096	0.2125	0.214	1.05	0.21	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.227	0.233	0.229	1.33	0.27	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.1947	0.2003	0.195	1.6	0.31	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.2298	0.226	0.2352	2.01	0.4	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.40	GC-FID	138	0.2278	0.2257	0.219	2.05	0.41	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	120	0.2446	0.2383	0.2296	3.17	0.64	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.3012	0.2829	0.2819	3.76	0.78	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.2218	0.253	0.2273	7.12	1.43	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.369	0.307	0.36	9.7	2.07	2.69	0.28	14.1	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.212	0.1594	0.1868	14.1	2.75	2.69	0.28	14.1	0

Total CBD (%DW)

Total CBD (%DW)	507.60	NIR	187	6.3625								1
Total CBD (%DW)	507.01	AOAC 2018.10	210	7.404	7.362	7.329	0.51	0.17	2.4	0.51	8.49	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	7.6724	7.5868	7.6677	0.63	0.21	2.4	0.51	8.49	0
Total CBD (%DW)	507.10	Other LC-UV	189	6.2257	6.1541	6.2529	0.82	0.27	2.4	0.51	8.49	0
Total CBD (%DW)	507.40	GC-FID	116	7.2903	7.1597	7.3108	1.13	0.38	2.4	0.51	8.49	0
Total CBD (%DW)	507.10	Other LC-UV	116	8.0636	7.868	7.9611	1.23	0.42	2.4	0.51	8.49	0
Total CBD (%DW)	507.40	GC-FID	138	7.9561	7.8655	8.1599	1.89	0.65	2.4	0.51	8.49	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)	507.02	AOAC 2018.11, U	103	6.5839	6.6799	6.3133	2.91	0.97	2.4	0.51	8.49	0
Total CBD (%DW)	507.10	Other LC-UV	162	6.7602	7.6871	6.8853	7.07	2.38	2.4	0.51	8.49	0
Total CBD (%DW)	507.10	Other LC-UV	192	7.9292	7.5978	6.7125	8.49	2.87	2.4	0.51	8.49	0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0250	<0.0260	<0.0260						1
CBDV (%DW)	508.99	Other	162	<0.0100	<0.0100	<0.0100						1
CBDV (%DW)	508.99	Other	189	0.027	0.0196	0.0241	15.8	2.26				0
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	0.074	0.074	0.068	4.81	0.81				0
CBG (%DW)												
CBG (%DW)	510.01	AOAC 2018.10	210	0.303	0.308	0.305	0.82	0.17				0
CBG (%DW)	510.02	AOAC 2018.11, U	103	0.3249	0.32	0.3075	2.83	0.6				0
CBG (%DW)	510.99	Other	189	0.364	0.3462	0.3743	3.93	0.85				0
CBG (%DW)	510.99	Other	162	0.3191	0.3521	0.3091	6.89	1.46				0
CBGA (%DW)												
CBGA (%DW)	511.99	Other	189	0.3592	0.3564	0.3606	0.6	0.13				0
CBGA (%DW)	511.02	AOAC 2018.11, U	103	0.3842	0.3965	0.3699	3.47	0.75				0
CBGA (%DW)	511.01	AOAC 2018.10	210	0.158	0.171	0.166	3.97	0.76				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBGA (%DW)	511.99	Other	162	0.4032	0.455	0.4131	6.49	1.43				0
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0250	<0.0260	<0.0260						1
THCV (%DW)	512.99	Other	189	0.0459	0.0114	0.0497	59.2	8.99				0
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	0.023	0.022	0.022	2.59	0.37				0
Δ8-THC (%DW)	513.99	Other	189	0.0073	0.007	0.0075	3.46	0.41				0
CBC (%DW)												
CBC (%DW)	514.99	Other	189	0.2218	0.2199	0.2221	0.54	0.11				0
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.234	0.239	0.234	1.22	0.25				0
CBC (%DW)	514.99	Other	162	0.2393	0.2773	0.2557	7.4	1.51				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