

Hemp Proficiency Testing

All Labs Trueness

HM23SEP-2 (hemp)



Sample: HM23SEP-2 (hemp)

All Labs Trueness

Issue Date: November 2, 2023

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.072	0.065	0.071	0.0693	-4.98	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	225	0.128	0.1188	0.1116	0.119	-2.66	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.143	0.1402	0.1436	0.142	-1.6	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.147	0.141	0.146	0.145	-1.49	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1468	0.1553	0.145	0.149	-1.29	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1676	0.1415	0.1477	0.152	-1.14	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.166	0.156	0.152	0.158	-0.88	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.16	0.163	0.164	0.162	-0.67	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1608	0.1666	0.1699	0.166	-0.52	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	113	0.168	0.17	0.169	0.169	-0.37	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.163	0.175	0.174	0.171	-0.29	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.171	0.166	0.176	0.171	-0.27	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.158	0.1895	0.1689	0.172	-0.22	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1727	0.1715	0.1732	0.172	-0.2	0.1769	34	0.0216	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1888	0.1771	0.1598	0.175	-0.08	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.184	0.165	0.176	0.175	-0.09	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.1841	0.1774	0.1714	0.178	0.03	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1737	0.1795	0.1803	0.178	0.04	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	142	0.181	0.179	0.174	0.178	0.05	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.18	0.19	0.18	0.183	0.3	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.2	0.18	0.17	0.183	0.3	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.1851	0.1835	0.1843	0.184	0.34	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.60	NIR	187	0.185			0.185					1
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.1933	0.1772	0.1905	0.187	0.47	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1867	0.1871	0.1896	0.188	0.51	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.1824	0.1852	0.2033	0.19	0.62	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.1909	0.1875	0.1914	0.19	0.6	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.1842	0.1972	0.1957	0.192	0.72	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.99	Other	215	0.1901	0.1954	0.1935	0.193	0.75	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.1931	0.1927	0.1995	0.195	0.84	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.1951	0.203	0.1917	0.197	0.91	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.2015	0.2	0.203	0.201	1.14	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.2343	0.188	0.1973	0.207	1.37	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.21	0.2	0.22	0.21	1.53	0.1769	34	0.0216	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.2336	0.2189	0.2159	0.223	2.13	0.1769	34	0.0216	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THCA (%AR)									
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	161	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.99	Other	215	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0754	<0.0728	<0.0728	<0.0754					1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0.014	0.01	0.013	0.0123	-2.94	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0249	0	0.0207	0.0228	-1.94	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	225	0.0291	0.026	0.0181	0.0244	-1.79	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0284	0.0295	0.0267	0.0282	-1.43	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	142	0.0297	0.0289	0.0264	0.0283	-1.41	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.03	0.033	0.033	0.032	-1.06	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.60	NIR	187	0.033			0.033					1
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0336	0.032	0.0351	0.0336	-0.91	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.039	0.039	0.04	0.0393	-0.36	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	0.0405	0.04	0.039	0.0398	-0.32	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.04	0.04	0.04	0.04	-0.3	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0411	0.0408	0.0412	0.041	-0.2	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0408	0.0409	0.0442	0.042	-0.11	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	163	0.043	0.0373	0.0473	0.0425	-0.06	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	149	0.042	0.044	0.042	0.0427	-0.05	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	113	0.044	0.045	0.043	0.044	0.08	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	0.044	0.046	0.0438	0.0446	0.14	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0437	0.0457	0.0449	0.0448	0.15	0.0432	31	0.0105	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.039	0.045	0.052	0.0453	0.21	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.05	0.048	0.04	0.046	0.27	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.0454	0.0488	0.0443	0.0462	0.29	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.049	0.047	0.046	0.0473	0.4	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0481	0.0495	0.047	0.0482	0.48	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0.0495	0.0463	0.0479	0.0479	0.45	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0512	0.0478	0.0501	0.0497	0.62	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.051	0.049	0.051	0.0503	0.68	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.30	Other LC-MS	122	0.0522	0.0478	0.0528	0.0509	0.74	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0523	0.0533	0.0565	0.054	1.04	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0569	0.0525	0.051	0.0535	0.98	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.0553	0.0554	0.0559	0.0555	1.18	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0674	0.0623	0.0741	0.0679	2.36	0.0432	31	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.0925	0.1034	0.0864	0.0941	4.86	0.0432	31	0.0105	0

CBD (%AR)

CBD (%AR)	003.60	NIR	187	2.938			2.94					1
CBD (%AR)	003.10	Other LC-UV	155	3.022	2.977	2.961	2.99	-2.4	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	184	3.273	3.191	3.198	3.22	-1.61	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	189	3.3278	3.2805	3.3383	3.32	-1.29	3.6958	24	0.295	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	3.319	3.423	3.255	3.33	-1.23	3.6958	24	0.295	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	3.2391	3.5871	3.475	3.43	-0.89	3.6958	24	0.295	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBD (%AR)	003.10	Other LC-UV	196	3.432	3.396	3.568	3.47	-0.78	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	149	3.502	3.612	3.538	3.55	-0.49	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	191	3.5899	3.566	3.5779	3.58	-0.4	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	170	3.6337	3.59	3.5746	3.6	-0.33	3.6958	24	0.295	0
CBD (%AR)	003.99	Other	215	3.587	3.669	3.6209	3.63	-0.24	3.6958	24	0.295	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	3.618	3.568	3.8039	3.66	-0.11	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	142	3.72	3.65	3.61	3.66	-0.12	3.6958	24	0.295	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	3.7775	3.714	3.753	3.75	0.18	3.6958	24	0.295	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	3.82	3.82	3.7	3.78	0.29	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	141	3.7548	3.6679	4.032	3.82	0.42	3.6958	24	0.295	0
CBD (%AR)	003.30	Other LC-MS	164	3.8217	3.8515	3.7824	3.82	0.42	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	106	3.87	3.77	3.91	3.85	0.52	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	163	4.0883	3.777	3.8483	3.9	0.71	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	192	4.1285	4.13	3.6174	3.96	0.89	3.6958	24	0.295	0
CBD (%AR)	003.30	Other LC-MS	122	4.074	3.8582	3.9913	3.97	0.94	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	144	4.1252	4.0103	3.774	3.97	0.93	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	197	4.0482	3.9437	3.9913	3.99	1.01	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	113	3.91	4.04	4.09	4.01	1.08	3.6958	24	0.295	0
CBD (%AR)	003.10	Other LC-UV	116	4.3239	4.0989	4.3516	4.26	1.91	3.6958	24	0.295	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	155	2.502	2.463	2.378	2.45	-2.27	3.2454	23	0.352	0
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDA (%AR)	004.10	Other LC-UV	142	2.78	2.72	2.65	2.72	-1.5	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	189	2.7976	2.7758	2.8145	2.8	-1.28	3.2454	23	0.352	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	2.712	3.0703	2.905	2.9	-0.99	3.2454	23	0.352	0
CBDA (%AR)	004.99	Other	215	2.9076	2.9237	2.8933	2.91	-0.96	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	196	2.995	2.906	3.078	2.99	-0.72	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	192	3.3717	2.9797	2.6683	3.01	-0.68	3.2454	23	0.352	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	3.171	3.166	2.984	3.11	-0.39	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	149	3.071	3.164	3.223	3.15	-0.26	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	141	3.115	3.1183	3.3943	3.21	-0.1	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	144	3.4293	3.3764	3.0931	3.3	0.15	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	184	3.302	3.38	3.255	3.31	0.19	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	197	3.3327	3.2825	3.3738	3.33	0.24	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	106	3.38	3.26	3.39	3.34	0.28	3.2454	23	0.352	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	3.11	3.49	3.48	3.36	0.33	3.2454	23	0.352	0
CBDA (%AR)	004.30	Other LC-MS	122	3.4724	3.2322	3.5301	3.41	0.47	3.2454	23	0.352	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	3.4035	3.371	3.4485	3.41	0.46	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	170	3.3399	3.3762	3.661	3.46	0.61	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	116	3.5718	3.5979	3.4076	3.53	0.8	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	191	3.5412	3.538	3.5396	3.54	0.84	3.2454	23	0.352	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	3.5753	3.6235	3.8527	3.68	1.25	3.2454	23	0.352	0
CBDA (%AR)	004.10	Other LC-UV	163	3.6273	3.525	3.9317	3.69	1.28	3.2454	23	0.352	0
CBDA (%AR)	004.60	NIR	187	3.72			3.72					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDA (%AR)	004.30	Other LC-MS	164	4.5206	4.46	4.3249	4.44	3.38	3.2454	23	0.352	0
CBN (%AR)												
CBN (%AR)	005.10	Other LC-UV	197	<0.0754	<0.0728	<0.0728	<0.0754					1
CBN (%AR)	005.10	Other LC-UV	141	0.0228	0.0279	0.0242	0.025	-2.11	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	142	0.0381	0.0372	0.0362	0.0372	-0.8	0.0446	18	0.0093	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.039	0.0385	0.0395	0.039	-0.6	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	144	0.0382	0.0391	0.0382	0.0385	-0.66	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	196	0.039	0.038	0.042	0.0397	-0.53	0.0446	18	0.0093	0
CBN (%AR)	005.30	GC-FID	192	0.0377	0.042	0.0394	0.0397	-0.53	0.0446	18	0.0093	0
CBN (%AR)	005.30	GC-FID	138	0.0468	0.052	<0.0200	0.0396	-0.54	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	192	0.0493	0.0378	0.0362	0.0411	-0.37	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	189	0.0417	0.0413	0.042	0.0417	-0.31	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	149	0.041	0.0434	0.045	0.0431	-0.16	0.0446	18	0.0093	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.036	0.036	0.056	0.0427	-0.21	0.0446	18	0.0093	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0422	0.0424	0.0477	0.0441	-0.05	0.0446	18	0.0093	0
CBN (%AR)	005.30	GC-FID	116	0.0424	0.048	0.0469	0.0458	0.13	0.0446	18	0.0093	0
CBN (%AR)	005.20	Other LC-MS	122	0.0489	0.0482	0.0477	0.0483	0.4	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	106	0.06	0.05	0.06	0.0567	1.3	0.0446	18	0.0093	0
CBN (%AR)	005.30	GC-FID	163	0.0597	0.0603	0.0533	0.0578	1.42	0.0446	18	0.0093	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0653	0.0599	0.0585	0.0612	1.79	0.0446	18	0.0093	0
CBN (%AR)	005.10	Other LC-UV	116	0.0662	0.0705	0.0655	0.0674	2.46	0.0446	18	0.0093	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%AR)												
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.0843	0.0738	0.0824	0.0802	-4.07	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.1098	0.1125	0.114	0.112	-3.1	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	225	0.1535	0.1416	0.1275	0.141	-2.22	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	161	0.1468	0.1553	0.145	0.149	-1.97	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1608	0.1666	0.1699	0.166	-1.46	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.1894	0.1415	0.1658	0.166	-1.47	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	182	0.1679	0.1661	0.167	0.167	-1.43	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.192	0.184	0.191	0.189	-0.76	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.2	0.196	0.192	0.196	-0.54	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1942	0.1972	0.1991	0.197	-0.52	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.198	0.195	0.205	0.199	-0.44	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1994	0.2034	0.1965	0.2	-0.43	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.207	0.204	0.197	0.203	-0.34	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.2081	0.2063	0.2001	0.205	-0.27	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.2	0.213	0.211	0.208	-0.18	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.2087	0.2073	0.2093	0.208	-0.17	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.2119	0.2084	0.2168	0.212	-0.05	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.2227	0.2178	0.2098	0.217	0.09	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.60	NIR	187	0.218			0.218					1
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.2135	0.2223	0.2192	0.218	0.14	0.2139	39	0.0329	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.24	0.2129	0.2058	0.22	0.17	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.2093	0.2373	0.2136	0.22	0.19	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.221	0.223		0.222	0.25	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.2285	0.2241	0.2263	0.226	0.38	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.191	0.202	0.289	0.227	0.41	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.25	0.22	0.21	0.227	0.39	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	128	0.2233	0.2366	0.2252	0.228	0.44	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2207	0.2253	0.2427	0.23	0.48	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.239	0.2191	0.2368	0.232	0.54	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.243	0.219	0.241	0.234	0.62	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.2366	0.2331	0.2343	0.235	0.63	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.2263	0.2406	0.2369	0.235	0.63	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.237	0.2351	0.2372	0.236	0.69	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.239	0.2395	0.249	0.243	0.87	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.2436	0.2516	0.2408	0.245	0.96	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.246	0.245	0.2516	0.248	1.02	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.254	0.242	0.255	0.25	1.11	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.28	0.1843	0.2967	0.254	1.21	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2699	0.2678	0.2356	0.258	1.34	0.2139	39	0.0329	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.2785	0.2608	0.2599	0.266	1.6	0.2139	39	0.0329	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Total CBD (%AR)									
Total CBD (%AR)	007.40	GC-FID	192	4.0811	4.2905	4.1676	4.18	-3.25	6.4206	25	0.6903	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	4.562	4.689	4.862	4.7	-2.49	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	155	5.22	5.14	5.05	5.14	-1.86	6.4206	25	0.6903	0
Total CBD (%AR)	007.40	GC-FID	170	5.63	5.7017	5.6274	5.65	-1.11	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	189	5.7813	5.7149	5.8066	5.77	-0.95	6.4206	25	0.6903	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	161	5.6175	6.2798	6.0227	5.97	-0.65	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	142	6.16	6.04	5.93	6.04	-0.55	6.4206	25	0.6903	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	6.1	6.1996	5.872	6.06	-0.53	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	196	6.058	5.944	6.267	6.09	-0.48	6.4206	25	0.6903	0
Total CBD (%AR)	007.40	GC-FID	169	6.1619	6.0215	6.2981	6.16	-0.38	6.4206	25	0.6903	0
Total CBD (%AR)	007.60	NIR	187	6.203			6.2					1
Total CBD (%AR)	007.10	Other LC-UV	149	6.196	6.386	6.365	6.32	-0.15	6.4206	25	0.6903	0
Total CBD (%AR)	007.40	GC-FID	163	7.077	5.974	6.6027	6.55	0.19	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	192	7.0855	6.7433	5.9575	6.6	0.25	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	141	6.4867	6.4026	7.0087	6.63	0.31	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	191	6.695	6.668	6.682	6.68	0.38	6.4206	25	0.6903	0
Total CBD (%AR)	007.40	GC-FID	116	6.7217	6.6012	6.7405	6.69	0.39	6.4206	25	0.6903	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	6.55	6.88	6.75	6.73	0.44	6.4206	25	0.6903	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	6.7624	6.6704	6.7773	6.74	0.46	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	144	7.1334	6.9721	6.4873	6.86	0.64	6.4206	25	0.6903	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	6.7535	6.7458	7.1827	6.89	0.69	6.4206	25	0.6903	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%AR)	007.10	Other LC-UV	197	6.971	6.8225	6.9501	6.91	0.72	6.4206	25	0.6903	0
Total CBD (%AR)	007.30	Other LC-MS	122	7.1193	6.6929	7.0871	6.97	0.79	6.4206	25	0.6903	0
Total CBD (%AR)	007.40	GC-FID	138	7.2692	7.1864	7.2688	7.24	1.19	6.4206	25	0.6903	0
Total CBD (%AR)	007.10	Other LC-UV	116	7.4564	7.2543	7.3401	7.35	1.35	6.4206	25	0.6903	0
Total CBD (%AR)	007.30	Other LC-MS	164	7.7862	7.7629	7.5753	7.71	1.87	6.4206	25	0.6903	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0754	<0.0728	<0.0728	<0.0754					1
CBDV (%AR)	008.99	Other	189	0.0251	0.0182	0.0224	0.0219					0
CBDV (%AR)	008.99	Other	196	0.023	0.022	0.024	0.023					0
CBDV (%AR)	008.99	Other	142	0.0308	0.0321	0.0303	0.0311					0
CBDV (%AR)	008.99	Other	106	0.06	0.05	0.05	0.0533					0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	197	<0.0754	<0.0728	<0.0728	<0.0754					1
CBDVA (%AR)	009.99	Other	196	0.024	0.024	0.026	0.0247					0
CBDVA (%AR)	009.99	Other	142	0.0277	0.0282	0.0263	0.0274					0
CBDVA (%AR)	009.99	Other	149	0.074	0.089	0.071	0.078					0

CBG (%AR)

CBG (%AR)	010.99	Other	196	0.249	0.249	0.25	0.249	-1.27	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	197	0.2412	0.2447	0.265	0.25	-1.24	0.306	10	0.0447	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBG (%AR)	010.99	Other	142	0.3	0.282	0.278	0.287	-0.43	0.306	10	0.0447	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.301	0.297	0.286	0.295	-0.25	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	141	0.3083	0.2886	0.2937	0.297	-0.2	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	149	0.292	0.312	0.32	0.308	0.05	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	106	0.31	0.32	0.33	0.32	0.31	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	189	0.338	0.3215	0.3476	0.336	0.67	0.306	10	0.0447	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.337	0.359	0.339	0.345	0.87	0.306	10	0.0447	0
CBG (%AR)	010.99	Other	155	0.362	0.378	0.382	0.374	1.52	0.306	10	0.0447	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	141	0.3075	0.2972	0.3017	0.302	-1.38	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	142	0.313	0.305	0.305	0.308	-1.2	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	189	0.3336	0.331	0.3348	0.333	-0.35	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	196	0.328	0.331	0.342	0.334	-0.33	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	106	0.35	0.35	0.35	0.35	0.21	0.3436	9	0.0299	0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.356	0.368	0.344	0.356	0.41	0.3436	9	0.0299	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.389	0.348	0.351	0.363	0.64	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	197	0.3789	0.3689	0.3641	0.371	0.9	0.3436	9	0.0299	0
CBGA (%AR)	011.99	Other	149	0.348	0.376	0.405	0.376	1.09	0.3436	9	0.0299	0

THCV (%AR)

THCV (%AR)	012.99	Other	142	<0.0022	<0.0022	<0.0022	<0.0022					1
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Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
THCV (%AR)	012.99	Other	196	<0.0205	<0.0205	<0.0205	<0.0205					1
THCV (%AR)	012.99	Other	149	<0.0250	<0.0250	<0.0250	<0.0250					1
THCV (%AR)	012.99	Other	106	<0.0300	<0.0300	<0.0300	<0.0300					1
THCV (%AR)	012.99	Other	197	<0.0754	<0.0728	<0.0728	<0.0754					1
THCV (%AR)	012.99	Other	189	0.0426	0.0106	0.0461	0.0331					0

Δ8-THC (%AR)

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

CBC (%AR)

CBC (%AR)	014.99	Other	155	0.187	0.185	0.184	0.185	-1.61	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	197	0.2111	0.2039	0.1942	0.203	-0.57	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	189	0.206	0.2042	0.2062	0.205	-0.43	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	196	0.209	0.207	0.214	0.21	-0.17	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	142	0.218	0.212	0.207	0.212	-0.03	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	149	0.213	0.228	0.227	0.223	0.57	0.2129	8	0.0171	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.233	0.231	0.223	0.229	0.94	0.2129	8	0.0171	0
CBC (%AR)	014.99	Other	106	0.23	0.23	0.24	0.233	1.2	0.2129	8	0.0171	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	141	<0.2000	<0.2000	<0.2000	<0.2000					1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Cd (ug/g AR)	101.04	ICP-MS	196	0.115	0.126	0.126	0.122					0
Cd (ug/g AR)	101.04	ICP-MS	106	0.121	0.128	0.12	0.123					0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1626	0.1223	0.1432	0.143					0
Cd (ug/g AR)	101.04	ICP-MS	142	0.154	0.155	0.149	0.153					0
Cd (ug/g AR)	101.04	ICP-MS	102	0.143	0.1701	0.1479	0.154					0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	197	<0.0975	<0.0975	<0.0996	<0.0975					1
As (ug/g AR)	102.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
As (ug/g AR)	102.04	ICP-MS	141	<0.2000	<0.2000	<0.2000	<0.2000					1
As (ug/g AR)	102.04	ICP-MS	106	0.088	0.079	0.083	0.0833					0
As (ug/g AR)	102.04	ICP-MS	102	0.09	0.0901	0.11	0.0967					0
As (ug/g AR)	102.04	ICP-MS	196	0.109	0.101	0.115	0.108					0
As (ug/g AR)	102.04	ICP-MS	142	0.112	0.128	0.101	0.114					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Hg (ug/g AR)									
Hg (ug/g AR)	103.04	ICP-MS	196	<0.0070	<0.0070	<0.0070	<0.0070					1
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0080	<0.0080	<0.0080	<0.0080					1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0975	<0.0975	<0.0996	<0.0975					1
Hg (ug/g AR)	103.04	ICP-MS	141	<0.1000	<0.1000	<0.1000	<0.1000					1
Hg (ug/g AR)	103.04	ICP-MS	162	<0.2000	<0.2000	<0.2000	<0.2000					1
Hg (ug/g AR)	103.04	ICP-MS	102	0.0051	0.0046	0.0056	0.0051					0
Hg (ug/g AR)	103.04	ICP-MS	142	0.01	0.0098	0.0094	0.0097					0
			Pb (ug/g AR)									
Pb (ug/g AR)	104.04	ICP-MS	106	0.598	0.648	0.644	0.63	-1.07	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	197	0.6672	0.632	0.6352	0.645	-0.95	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	142	0.674	0.758	0.691	0.708	-0.42	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	141	0.74	0.865	0.646	0.75	-0.06	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.7382	0.8431	0.814	0.798	0.35	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.8925	0.9077	0.8222	0.874	0.99	0.757	7	0.1183	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.843	0.863	0.975	0.894	1.16	0.757	7	0.1183	0
			Cu (ug/g AR)									
Cu (ug/g AR)	105.04	ICP-MS	196	9.35	9.47	9.42	9.41					0
Cu (ug/g AR)	105.04	ICP-MS	142	15.6	14.8	15.5	15.3					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Ni (ug/g AR)									
Ni (ug/g AR)	106.04	ICP-MS	196	1.15	1.23	1.21	1.2					0
Ni (ug/g AR)	106.04	ICP-MS	142	1.27	1.27	1.36	1.3					0
Ni (ug/g AR)	106.04	ICP-MS	141	1.57	1.42	1.47	1.49					0
			Cr (ug/g AR)									
Cr (ug/g AR)	107.04	ICP-MS	197	<2.0000	<2.0000	<2.0000	<2.0000					1
Cr (ug/g AR)	107.04	ICP-MS	141	<4.0000	<4.0000	<4.0000	<4.0000					1
Cr (ug/g AR)	107.04	ICP-MS	142	1	0.955	0.904	0.953					0
Cr (ug/g AR)	107.04	ICP-MS	196	1.22	1.42	1.41	1.35					0
			Se (ug/g AR)									
Se (ug/g AR)	108.04	ICP-MS	197	<0.0975	<0.0975	<0.0996	<0.0975					1
Se (ug/g AR)	108.04	ICP-MS	141	<1.0000	<1.0000	<1.0000	<1.0000					1
Se (ug/g AR)	108.04	ICP-MS	142	0.076	0.107	0.066	0.083					0
Se (ug/g AR)	108.04	ICP-MS	196	0.1	0.1	0.111	0.104					0
			Ag (ug/g AR)									
Ag (ug/g AR)	109.04	ICP-MS	142	0.0115	0.0178	0.0123	0.0139					0
			Ba (ug/g AR)									
Ba (ug/g AR)	110.04	ICP-MS	142	0.208	0.157	0.186	0.184					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Zn (ug/g AR)									
Zn (ug/g AR)	111.04	ICP-MS	196	57.8	60.8	61.3	60					0
Zn (ug/g AR)	111.04	ICP-MS	141	65.8	69.4	68.8	68					0
			Sb (ug/g AR)									
Sb (ug/g AR)	112.04	ICP-MS	196	<0.0240	<0.0240	<0.0240	<0.0240					1
			(-)-alpha-Bisabolol (%AR)									
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0274	0.0291	0.0246	0.027					0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.0672	0.0796	0.0885	0.0784					0
(-)-alpha-Bisabolol (%A	201.01	GC,FID	142	0.0777	0.0838	0.0774	0.0796					0
			beta-Caryophyllene (%AR)									
beta-Caryophyllene (%)	202.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
beta-Caryophyllene (%)	202.02	GC,MS	162	0.0319	0.0342	0.0314	0.0325					0
beta-Caryophyllene (%)	202.01	GC,FID	142	0.0416	0.0429	0.037	0.0405					0
			(-)-Caryophyllene oxide (%AR)									
(-)-Caryophyllene oxide	203.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
(-)-Caryophyllene oxide	203.01	GC,FID	142	0.0185	0.0195	0.0185	0.0188					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Geraniol (%AR)												
Geraniol (%AR)	204.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
Geraniol (%AR)	204.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Geraniol (%AR)	204.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	196	<0.0650	<0.0650	<0.0650	<0.0650					1
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0149	0.0151	0.0119	0.014					0
alpha-Humulene (%AR)	205.01	GC,FID	142	0.0223	0.0223	0.0208	0.0218					0
d-Limonene (%AR)												
d-Limonene (%AR)	206.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
d-Limonene (%AR)	206.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Linalool (%AR)												
Linalool (%AR)	207.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Linalool (%AR)	207.02	GC,MS	196	0.0016	0.0018	0.0016	0.0017					0
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
beta-Myrcene (%AR)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
beta-Myrcene (%AR)	208.02	GC,MS	196	<0.0013	0.0014	<0.0013	0.0013					1
Nopinene (%AR)												
Nopinene (%AR)	209.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
Ocimene (%AR)												
Ocimene (%AR)	210.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
Ocimene (%AR)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
Ocimene (%AR)	210.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
alpha-Terpinene (%AR)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinene (%AR)	213.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.01	GC,FID	142	<0.0005	<0.0005	<0.0005	<0.0005					1
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013	<0.0013					1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Moisture (%AR)												
Moisture (%AR)	500.70	Commerc. Anal.	153	5.62	6.19	6.01	5.94	-1.8	8.8131	16	1.5964	0
Moisture (%AR)	500.99	Other	142	7.2	7.4	6.3	6.97	-1.16	8.8131	16	1.5964	0
Moisture (%AR)	500.70	Commerc. Anal.	189	7.138	7.138	7.138	7.14	-1.05	8.8131	16	1.5964	0
Moisture (%AR)	500.99	Other	103	7.35	6.99	7.19	7.18	-1.03	8.8131	16	1.5964	0
Moisture (%AR)	500.70	Commerc. Anal.	116	7.7	7.79	7.9	7.8	-0.64	8.8131	16	1.5964	0
Moisture (%AR)	500.70	Commerc. Anal.	106	8.49	8.65	8.66	8.6	-0.13	8.8131	16	1.5964	0
Moisture (%AR)	500.72	NIR	138	8.65	8.6	8.65	8.63	-0.11	8.8131	16	1.5964	0
Moisture (%AR)	500.72	NIR	187	8.725			8.73					1
Moisture (%AR)	500.99	Other	120	8.9787	8.6267	8.6262	8.74	-0.04	8.8131	16	1.5964	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Moisture (%AR)	500.50	AOAC 930.15	210	9.64	9.28	8.94	9.29	0.3	8.8131	16	1.5964	0
Moisture (%AR)	500.99	Other	165	9.2182	9.3591	9.506	9.36	0.34	8.8131	16	1.5964	0
Moisture (%AR)	500.99	Other	102	9.5	9.4	9.2	9.37	0.35	8.8131	16	1.5964	0
Moisture (%AR)	500.99	Other	215	8.9993	9.7239	9.7523	9.49	0.43	8.8131	16	1.5964	0
Moisture (%AR)	500.70	Commerc. Anal.	182	9.57	9.65	9.785	9.67	0.54	8.8131	16	1.5964	0
Moisture (%AR)	500.70	Commerc. Anal.	162	10.58	11	10	10.5	1.07	8.8131	16	1.5964	0
Moisture (%AR)	500.50	AOAC 930.15	192	9.995	10.64	11.2471	10.6	1.14	8.8131	16	1.5964	0
Moisture (%AR)	500.50	AOAC 930.15	199	11.8614	12.0788	11.6117	11.9	1.9	8.8131	16	1.5964	0

Δ9-THC (%DW)

Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.1727	0.1756	0.1763	0.175	-1.19	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.1859	0.1847	0.1865	0.186	-0.8	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.189	0.194	0.19	0.191	-0.62	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	120	0.2022	0.1942	0.1875	0.195	-0.49	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.1947	0.2003	0.195	0.197	-0.42	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.60	NIR	187	0.205			0.205					1
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.2057	0.2064	0.2095	0.207	-0.04	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.99	Other	215	0.21	0.2159	0.2137	0.213	0.17	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.2286	0.2275	0.2297	0.229	0.71	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.2526	0.2374	0.2342	0.241	1.17	0.2084	10	0.0283	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.316	0.288	0.309	0.304	3.39	0.2084	10	0.0283	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THCA (%DW)									
Δ9-THCA (%DW)	502.60	NIR	187	0.0225			0.0225					1
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0.024	0.023	0.058	0.035	-1.53	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0421	0.042	0.043	0.0424	-0.61	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.043	0.045	0.045	0.0443	-0.36	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0442	0.0439	0.0444	0.0442	-0.39	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	199	0.046	0.0455	0.0441	0.0452	-0.26	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	120	0.0483	0.0503	0.048	0.0489	0.2	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0529	0.0527	0.0513	0.0523	0.63	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0554	0.0519	0.0544	0.0539	0.83	0.0473	9	0.008	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0627	0.0579	0.0564	0.059	1.46	0.0473	9	0.008	0
			CBD (%DW)									
CBD (%DW)	503.60	NIR	187	3.265			3.27					1
CBD (%DW)	503.10	Other LC-UV	189	3.5836	3.5326	3.5949	3.57	-1.04	4	7	0.4141	0
CBD (%DW)	503.02	AOAC 2018.11, U	103	3.5823	3.6882	3.4996	3.59	-0.99	4	7	0.4141	0
CBD (%DW)	503.01	AOAC 2018.10	210	3.912	3.9	4.006	3.94	-0.15	4	7	0.4141	0
CBD (%DW)	503.99	Other	215	3.8843	4.0528	3.9996	3.98	-0.05	4	7	0.4141	0
CBD (%DW)	503.10	Other LC-UV	162	3.8577	4.3637	3.9455	4.06	0.13	4	7	0.4141	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	4.2859	4.2242	4.246	4.25	0.61	4	7	0.4141	0
CBD (%DW)	503.10	Other LC-UV	116	4.676	4.4457	4.7197	4.61	1.48	4	7	0.4141	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			CBDA (%DW)									
CBDA (%DW)	504.10	Other LC-UV	189	3.0126	2.9892	3.0308	3.01	-1.1	3.5892	7	0.5281	0
CBDA (%DW)	504.99	Other	215	3.2117	3.2379	3.1959	3.22	-0.71	3.5892	7	0.5281	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	3.4226	3.4113	3.2083	3.35	-0.46	3.5892	7	0.5281	0
CBDA (%DW)	504.10	Other LC-UV	162	3.3096	3.7895	3.3522	3.48	-0.2	3.5892	7	0.5281	0
CBDA (%DW)	504.60	NIR	187	3.53			3.53					1
CBDA (%DW)	504.10	Other LC-UV	116	3.8627	3.9023	3.6959	3.82	0.44	3.5892	7	0.5281	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	3.8615	3.8341	3.9015	3.87	0.52	3.5892	7	0.5281	0
CBDA (%DW)	504.01	AOAC 2018.10	210	9.92	9.947	3.789	7.89	8.14	3.5892	7	0.5281	0
			CBN (%DW)									
CBN (%DW)	505.02	AOAC 2018.11, U	210	0.038	0.039	0.04	0.039	-1.35	0.0466	7	0.0056	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0442	0.0438	0.0447	0.0442	-0.42	0.0466	7	0.0056	0
CBN (%DW)	505.10	Other LC-UV	189	0.0449	0.0445	0.0452	0.0449	-0.31	0.0466	7	0.0056	0
CBN (%DW)	505.10	Other LC-UV	192	0.0551	0.0425	0.0408	0.0461	-0.09	0.0466	7	0.0056	0
CBN (%DW)	505.10	Other LC-UV	162	0.0474	0.0478	0.047	0.0474	0.14	0.0466	7	0.0056	0
CBN (%DW)	505.30	GC-FID	116	0.046	0.0521	0.0509	0.0497	0.54	0.0466	7	0.0056	0
CBN (%DW)	505.10	Other LC-UV	116	0.0716	0.0765	0.0711	0.0731	4.68	0.0466	7	0.0056	0
			Total Δ9-THC (%DW)									
Total Δ9-THC (%DW)	506.10	Other LC-UV	182	0.1856	0.1838	0.1851	0.185	-1.27	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.212	0.1594	0.1868	0.186	-1.23	0.2333	14	0.0383	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.1947	0.2003	0.195	0.197	-0.96	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.2096	0.2125	0.214	0.212	-0.56	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.60	NIR	187	0.219			0.219					1
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2247	0.2232	0.2254	0.224	-0.23	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.40	GC-FID	138	0.2278	0.2257	0.219	0.224	-0.24	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.227	0.233	0.229	0.23	-0.1	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.2298	0.226	0.2352	0.23	-0.08	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.2218	0.253	0.2273	0.234	0.02	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	120	0.2446	0.2383	0.2296	0.237	0.11	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.2606	0.2572	0.259	0.259	0.67	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2689	0.2674	0.2684	0.268	0.91	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.3012	0.2829	0.2819	0.289	1.45	0.2333	14	0.0383	0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.369	0.307	0.36	0.345	2.93	0.2333	14	0.0383	0

Total CBD (%DW)

Total CBD (%DW)	507.10	Other LC-UV	189	6.2257	6.1541	6.2529	6.21	-1.63	7.2851	9	0.6585	0
Total CBD (%DW)	507.60	NIR	187	6.3625			6.36					1
Total CBD (%DW)	507.02	AOAC 2018.11, U	103	6.5839	6.6799	6.3133	6.53	-1.15	7.2851	9	0.6585	0
Total CBD (%DW)	507.10	Other LC-UV	162	6.7602	7.6871	6.8853	7.11	-0.26	7.2851	9	0.6585	0
Total CBD (%DW)	507.40	GC-FID	116	7.2903	7.1597	7.3108	7.25	-0.05	7.2851	9	0.6585	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	7.404	7.362	7.329	7.36	0.12	7.2851	9	0.6585	0
Total CBD (%DW)	507.10	Other LC-UV	192	7.9292	7.5978	6.7125	7.41	0.19	7.2851	9	0.6585	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	7.6724	7.5868	7.6677	7.64	0.54	7.2851	9	0.6585	0
Total CBD (%DW)	507.10	Other LC-UV	116	8.0636	7.868	7.9611	7.96	1.03	7.2851	9	0.6585	0
Total CBD (%DW)	507.40	GC-FID	138	7.9561	7.8655	8.1599	7.99	1.08	7.2851	9	0.6585	0

CBDV (%DW)

CBDV (%DW)	508.99	Other	162	<0.0100	<0.0100	<0.0100	<0.0100					1
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0250	<0.0260	<0.0260	<0.0250					1
CBDV (%DW)	508.99	Other	189	0.027	0.0196	0.0241	0.0236					0

CBDVA (%DW)

CBDVA (%DW)	509.01	AOAC 2018.10	210	0.074	0.074	0.068	0.072					0
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CBG (%DW)

CBG (%DW)	510.01	AOAC 2018.10	210	0.303	0.308	0.305	0.305					0
CBG (%DW)	510.02	AOAC 2018.11, U	103	0.3249	0.32	0.3075	0.317					0
CBG (%DW)	510.99	Other	162	0.3191	0.3521	0.3091	0.327					0
CBG (%DW)	510.99	Other	189	0.364	0.3462	0.3743	0.361					0

CBGA (%DW)

CBGA (%DW)	511.01	AOAC 2018.10	210	0.158	0.171	0.166	0.165					0
CBGA (%DW)	511.99	Other	189	0.3592	0.3564	0.3606	0.359					0
CBGA (%DW)	511.02	AOAC 2018.11, U	103	0.3842	0.3965	0.3699	0.384					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBGA (%DW)	511.99	Other	162	0.4032	0.455	0.4131	0.424					0
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0250	<0.0260	<0.0260	<0.0250					1
THCV (%DW)	512.99	Other	189	0.0459	0.0114	0.0497	0.0357					0
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.99	Other	162	<0.0100	<0.0100	<0.0100	<0.0100					1
Δ8-THC (%DW)	513.99	Other	189	0.0073	0.007	0.0075	0.0073					0
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.023	0.022	0.022	0.0223					0
CBC (%DW)												
CBC (%DW)	514.99	Other	189	0.2218	0.2199	0.2221	0.221					0
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.234	0.239	0.234	0.236					0
CBC (%DW)	514.99	Other	162	0.2393	0.2773	0.2557	0.257					0

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

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

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