

Hemp Proficiency Testing

All Labs Trueness

HM25NOV-1 (Hemp)



Sample: HM25NOV-1 (Hemp)

All Labs Trueness

Issue Date: January 27, 2026

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)	001.10	Other LC-UV	213	0.0955	0.0945	0.102	0.0973	-3.74	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.1416	0.1379	0.117	0.132	-1.5	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1317	0.1371	0.1332	0.134	-1.38	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.1434	0.1397	0.1398	0.141	-0.93	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	154	0.1408	0.1442	0.1453	0.143	-0.77	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1449	0.1431	0.1483	0.145	-0.64	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.141	0.144	0.153	0.146	-0.6	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.148	0.145	0.145	0.146	-0.6	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.1398	0.1602	0.1396	0.147	-0.57	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1475	0.14	0.159	0.149	-0.42	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1513	0.1409	0.1559	0.149	-0.39	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	142	0.1529	0.1578	0.1514	0.154	-0.09	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.16	0.162	0.15	0.157	0.13	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.16	0.15	0.16	0.157	0.08	0.1554	26	0.0155	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)	001.03	AOAC 2018.11, M	139	0.1516	0.1786	0.1426	0.158	0.14	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.1661	0.1592	0.1561	0.16	0.33	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.149	0.163	0.167	0.16	0.28	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	173	0.16	0.167	0.158	0.162	0.41	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.166	0.159	0.164	0.163	0.49	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.1635	0.1665	0.1625	0.164	0.57	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.1651	0.1673	0.1652	0.166	0.68	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.1687	0.1687	0.1686	0.169	0.86	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.173	0.166	0.171	0.17	0.94	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.18	0.182	0.181	0.181	1.65	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.10	Other LC-UV	204	0.228	0.162	0.1596	0.183	1.79	0.1554	26	0.0155	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	152	0.2128	0.2179	0.2248	0.219	4.07	0.1554	26	0.0155	0

Δ9-THCA (%AR)

Δ9-THCA (%AR)	002.10	Other LC-UV	173	0	0	0	0					2
Δ9-THCA (%AR)	002.10	Other LC-UV	142	0.0082	0.009	0.0087	0.0086	-1.14	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0125	0.0162	0.0078	0.0122	-0.81	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.018	0.01	0.012	0.0133	-0.69	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.0151	0.0132	0.0117	0.0133	-0.69	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.0113	0.0141	0.0165	0.014	-0.63	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.0151	0.0148	0.0147	0.0149	-0.55	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	183	0.013	0.017	0.014	0.0147	-0.57	0.0206	18	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	116	0.0154	0.0151	0.0154	0.0153	-0.51	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.017	0.0166	0.0174	0.017	-0.34	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0156	0.0161	0.0185	0.0167	-0.37	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.015	0.017	0.019	0.017	-0.34	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0196	0.0195	0.0207	0.0199	-0.07	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	204	0.0524	0.0119	0.0094	0.0246	0.38	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.028	0.029	0.028	0.0283	0.74	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0312	0.0326	0.0328	0.0322	1.1	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.04	0.04	0.04	0.04	1.85	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0974	0.0905	0.0952	0.0944	7.03	0.0206	18	0.0105	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	152	0.1077	0.1021	0.1065	0.105	8.08	0.0206	18	0.0105	0

CBD (%AR)

CBD (%AR)	003.10	Other LC-UV	213	4.027	3.968	4.234	4.08	-2.74	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	154	4.8868	4.936	4.6893	4.84	-1.4	5.631	19	0.5681	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	4.9728	5.1782	5.2026	5.12	-0.9	5.631	19	0.5681	0
CBD (%AR)	003.01	AOAC 2018.10	152	5.5469	5.0422	4.9314	5.17	-0.81	5.631	19	0.5681	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	5.0837	5.7605	4.6996	5.18	-0.79	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	142	5.2965	5.5265	5.3265	5.38	-0.44	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	149	5.363	5.43	5.364	5.39	-0.43	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	173	5.454	5.442	5.513	5.47	-0.28	5.631	19	0.5681	0
CBD (%AR)	003.30	Other LC-MS	164	5.6587	5.5525	5.5127	5.57	-0.1	5.631	19	0.5681	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)	003.02	AOAC 2018.11, U	199	5.6465	5.5755	5.509	5.58	-0.1	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	189	5.7148	5.7194	5.7203	5.72	0.15	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	184	6.097	5.865	5.331	5.76	0.23	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	144	5.9242	5.753	5.9039	5.86	0.4	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	204	5.8516	5.9024	5.8547	5.87	0.42	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	116	5.6989	6.1571	5.9145	5.92	0.51	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	183	5.95	6.333	6.223	6.17	0.95	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	106	6.22	6.19	6.31	6.24	1.07	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	192	6.9895	6.101	6.6238	6.57	1.66	5.631	19	0.5681	0
CBD (%AR)	003.10	Other LC-UV	163	6.536	6.648	6.679	6.62	1.74	5.631	19	0.5681	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	213	1.2755	1.271	1.366	1.3	-3.04	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	154	1.422	1.4227	1.3228	1.39	-2.65	1.9658	19	0.2179	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	1.7696	1.7922	1.6299	1.73	-1.08	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	142	1.6874	1.8263	1.6931	1.74	-1.06	1.9658	19	0.2179	0
CBDA (%AR)	004.02	AOAC 2018.11, U	152	1.8449	1.8242	1.8054	1.82	-0.65	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	173	1.843	1.831	1.817	1.83	-0.62	1.9658	19	0.2179	0
CBDA (%AR)	004.30	Other LC-MS	164	1.8853	1.8567	1.8608	1.87	-0.45	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	116	1.8643	1.9724	1.9175	1.92	-0.22	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	149	1.983	1.958	1.881	1.94	-0.12	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	189	1.9892	1.988	1.9892	1.99	0.11	1.9658	19	0.2179	0

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	144	2.0247	1.9224	2.0581	2	0.17	1.9658	19	0.2179	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	2.089	2.1065	2.0855	2.09	0.59	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	106	2.11	2.16	2.13	2.13	0.77	1.9658	19	0.2179	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	2.1094	2.4615	1.8716	2.15	0.83	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	204	2.1466	2.1745	2.1514	2.16	0.88	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	163	2.122	2.177	2.205	2.17	0.93	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	184	2.133	2.242	2.128	2.17	0.93	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	192	2.3697	2.0141	2.1704	2.18	1	1.9658	19	0.2179	0
CBDA (%AR)	004.10	Other LC-UV	183	2.109	2.256	2.178	2.18	0.99	1.9658	19	0.2179	0

CBN (%AR)

CBN (%AR)	005.10	Other LC-UV	213	0.0463	0.0459	0.0474	0.0465	-1.94	0.0809	17	0.0178	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0567	0.0682	0.0563	0.0604	-1.16	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	144	0.068	0.0689	0.0659	0.0676	-0.75	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	142	0.069	0.0708	0.069	0.0696	-0.64	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	154	0.0671	0.0731	0.0687	0.0696	-0.64	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	149	0.068	0.071	0.072	0.0703	-0.6	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	173	0.074	0.073	0.072	0.073	-0.45	0.0809	17	0.0178	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.077	0.0775	0.0755	0.0767	-0.24	0.0809	17	0.0178	0
CBN (%AR)	005.30	GC-FID	116	0.0815	0.0728	0.0789	0.0777	-0.18	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	204	0.0875	0.0797	0.0785	0.0819	0.05	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	189	0.0832	0.0828	0.0828	0.0829	0.11	0.0809	17	0.0178	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBN (%AR)	005.10	Other LC-UV	183	0.087	0.089	0.088	0.088	0.4	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	116	0.0951	0.0916	0.0897	0.0921	0.63	0.0809	17	0.0178	0
CBN (%AR)	005.30	GC-FID	138	0.1093	0.0917	0.0922	0.0977	0.95	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	192	0.1097	0.0952	0.1038	0.103	1.24	0.0809	17	0.0178	0
CBN (%AR)	005.10	Other LC-UV	106	0.09	0.11	0.11	0.103	1.26	0.0809	17	0.0178	0
CBN (%AR)	005.30	GC-FID	163	0.333	0.337	0.33	0.333	14.21	0.0809	17	0.0178	0

Total Δ9-THC (%AR)

Total Δ9-THC (%AR)	006.10	Other LC-UV	154	0.1408	0.1442	0.1453	0.143	-1.23	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.1548	0.1495	0.1273	0.144	-1.22	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.1503	0.1405	0.1506	0.147	-1.09	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.152	0.144	0.153	0.15	-0.99	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.1508	0.1526	0.15	0.151	-0.93	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.50	GC-MS	231	0.1525	0.1475	0.1569	0.152	-0.88	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.1566	0.1527	0.1527	0.154	-0.82	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.1497	0.1725	0.154	0.159	-0.63	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.1598	0.1577	0.1636	0.16	-0.57	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.1601	0.1657	0.159	0.162	-0.52	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	173	0.16	0.167	0.158	0.162	-0.51	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.1846	0.1523	0.1643	0.167	-0.3	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.1685	0.158	0.1741	0.167	-0.31	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.1626	0.1927	0.1494	0.168	-0.25	0.1747	30	0.0253	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	116	0.1745	0.1649	0.1673	0.169	-0.23	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.1758	0.1708	0.1605	0.169	-0.22	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.1831	0.159	0.164	0.169	-0.24	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.172	0.17	0.17	0.171	-0.16	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.1711	0.1976	0.1658	0.178	0.14	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.1786	0.1805	0.1787	0.179	0.18	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.186	0.181	0.188	0.185	0.41	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.1854	0.1884	0.1844	0.186	0.45	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.192	0.197	0.193	0.194	0.76	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.196	0.1973	0.1974	0.197	0.88	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.1986	0.2031	0.2056	0.202	1.1	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	204	0.274	0.1724	0.1678	0.205	1.19	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.214	0.218	0.206	0.213	1.5	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.2329	0.2194	0.2424	0.232	2.25	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	152	0.3073	0.3075	0.3182	0.311	5.39	0.1747	30	0.0253	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	2.055	0.1555	0.1724	0.794	24.48	0.1747	30	0.0253	0

Total CBD (%AR)

Total CBD (%AR)	007.10	Other LC-UV	154	6.1339	6.1837	5.8494	6.06	-2.18	7.4419	20	0.6356	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	161	6.5247	6.7499	6.632	6.64	-1.27	7.4419	20	0.6356	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	152	7.1649	6.6421	6.5147	6.77	-1.05	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	142	6.7763	7.1281	6.8113	6.91	-0.84	7.4419	20	0.6356	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)	007.40	GC-FID	170	7.4795	6.4449	6.9298	6.95	-0.77	7.4419	20	0.6356	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	6.9336	7.9193	6.341	7.06	-0.59	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	173	7.07	7.048	7.11	7.08	-0.58	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	149	7.102	7.147	7.014	7.09	-0.56	7.4419	20	0.6356	0
Total CBD (%AR)	007.30	Other LC-MS	164	7.3121	7.1808	7.1446	7.21	-0.36	7.4419	20	0.6356	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	7.4786	7.4229	7.338	7.41	-0.05	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	189	7.4594	7.4628	7.4648	7.46	0.03	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	144	7.7003	7.4393	7.7093	7.62	0.27	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	204	7.7342	7.8094	7.7415	7.76	0.5	7.4419	20	0.6356	0
Total CBD (%AR)	007.40	GC-FID	169	7.701	8.2	7.626	7.84	0.63	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	116	7.5962	7.8869	8.0503	7.84	0.63	7.4419	20	0.6356	0
Total CBD (%AR)	007.40	GC-FID	163	7.877	8.143	8.046	8.02	0.91	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	183	7.8	8.311	8.133	8.08	1.01	7.4419	20	0.6356	0
Total CBD (%AR)	007.40	GC-FID	138	7.876	7.93	8.496	8.1	1.04	7.4419	20	0.6356	0
Total CBD (%AR)	007.40	GC-FID	116	8.1192	7.8095	8.3782	8.1	1.04	7.4419	20	0.6356	0
Total CBD (%AR)	007.10	Other LC-UV	192	9.0677	7.8674	8.5273	8.49	1.64	7.4419	20	0.6356	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	189	0.032	0.0324	0.0324	0.0323					0
CBDV (%AR)	008.99	Other	142	0.0388	0.0429	0.041	0.0409					0
CBDV (%AR)	008.99	Other	106	0.05	0.07	0.05	0.0567					0
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.059	0.063	0.06	0.0607					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBDV (%AR)	008.99	Other	173	0.096	0.095	0.093	0.0947					0
CBDVA (%AR)												
CBDVA (%AR)	009.99	Other	142	0.0179	0.0192	0.0185	0.0185					0
CBDVA (%AR)	009.01	AOAC 2018.10	149	0.028	0.026	0.026	0.0267					0
CBDVA (%AR)	009.02	AOAC 2018.11, U	183	0.038	0.038	0.039	0.0383					0
CBG (%AR)												
CBG (%AR)	010.99	Other	142	0.1986	0.1879	0.2015	0.196	-1	0.2383	7	0.0421	0
CBG (%AR)	010.01	AOAC 2018.10	149	0.207	0.209	0.194	0.203	-0.83	0.2383	7	0.0421	0
CBG (%AR)	010.99	Other	173	0.217	0.215	0.21	0.214	-0.58	0.2383	7	0.0421	0
CBG (%AR)	010.99	Other	204	0.2385	0.243	0.2443	0.242	0.09	0.2383	7	0.0421	0
CBG (%AR)	010.99	Other	106	0.25	0.25	0.25	0.25	0.28	0.2383	7	0.0421	0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.263	0.262	0.259	0.261	0.55	0.2383	7	0.0421	0
CBG (%AR)	010.99	Other	189	0.3065	0.3032	0.3042	0.305	1.58	0.2383	7	0.0421	0
CBGA (%AR)												
CBGA (%AR)	011.99	Other	142	0.1054	0.1114	0.1112	0.109	-1.06	0.1333	7	0.0225	0
CBGA (%AR)	011.99	Other	106	0.11	0.11	0.11	0.11	-1.03	0.1333	7	0.0225	0
CBGA (%AR)	011.01	AOAC 2018.10	149	0.129	0.13	0.123	0.127	-0.26	0.1333	7	0.0225	0
CBGA (%AR)	011.99	Other	173	0.131	0.131	0.125	0.129	-0.19	0.1333	7	0.0225	0
CBGA (%AR)	011.99	Other	204	0.1386	0.1534	0.142	0.145	0.51	0.1333	7	0.0225	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBGA (%AR)	011.02	AOAC 2018.11, U	183	0.155	0.155	0.153	0.154	0.94	0.1333	7	0.0225	0
CBGA (%AR)	011.99	Other	189	0.1581	0.1581	0.1584	0.158	1.11	0.1333	7	0.0225	0
THCV (%AR)												
THCV (%AR)	012.99	Other	173	0	0	0	0					2
Δ8-THC (%AR)												
Δ8-THC (%AR)	013.99	Other	173	0	0	0	0					2
Δ8-THC (%AR)	013.99	Other	189	0.0131	0.0136	0.0122	0.013					0
Δ8-THC (%AR)	013.99	Other	138	0.0758	0.0811	0.0794	0.0788					0
Δ8-THC (%AR)	013.99	Other	213	0.086	0.0851	0.0893	0.0868					0
CBC (%AR)												
CBC (%AR)	014.99	Other	173	0.215	0.213	0.213	0.214	-1.02	0.2472	7	0.033	0
CBC (%AR)	014.99	Other	142	0.2175	0.2273	0.2182	0.221	-0.79	0.2472	7	0.033	0
CBC (%AR)	014.01	AOAC 2018.10	149	0.226	0.224	0.229	0.226	-0.63	0.2472	7	0.033	0
CBC (%AR)	014.99	Other	106	0.24	0.24	0.24	0.24	-0.22	0.2472	7	0.033	0
CBC (%AR)	014.99	Other	204	0.3049	0.2512	0.2401	0.265	0.55	0.2472	7	0.033	0
CBC (%AR)	014.99	Other	189	0.279	0.2793	0.2791	0.279	0.97	0.2472	7	0.033	0
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.281	0.29	0.284	0.285	1.15	0.2472	7	0.033	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Cd (ug/g AR)									
Cd (ug/g AR)	101.03	ICP-OES	192	0.13	0.11	0.1	0.113	-1.83	0.1674	6	0.0296	0
Cd (ug/g AR)	101.04	ICP-MS	183	0.156	0.154	0.151	0.154	-0.47	0.1674	6	0.0296	0
Cd (ug/g AR)	101.04	ICP-MS	106	0.172	0.169	0.173	0.171	0.13	0.1674	6	0.0296	0
Cd (ug/g AR)	101.04	ICP-MS	164	0.179	0.188	0.151	0.173	0.18	0.1674	6	0.0296	0
Cd (ug/g AR)	101.04	ICP-MS	102	0.1821	0.1886	0.2044	0.192	0.82	0.1674	6	0.0296	0
Cd (ug/g AR)	101.04	ICP-MS	142	0.1918	0.1915	0.1932	0.192	0.84	0.1674	6	0.0296	0
			As (ug/g AR)									
As (ug/g AR)	102.04	ICP-MS	164	0.074	0.061	0.076	0.0703					0
As (ug/g AR)	102.04	ICP-MS	142	0.0779	0.0698	0.0649	0.0709					0
As (ug/g AR)	102.04	ICP-MS	102	0.0722	0.0736	0.0814	0.0757					0
As (ug/g AR)	102.04	ICP-MS	183	0.079	0.079	0.077	0.0783					0
			Hg (ug/g AR)									
Hg (ug/g AR)	103.03	ICP-OES	192	0	0	0	0					2
Hg (ug/g AR)	103.99	Other	102	0.0086	0.0092	0.0091	0.009					0
Hg (ug/g AR)	103.04	ICP-MS	142	0.0088	0.0091	0.0086	0.0088					0
			Pb (ug/g AR)									
Pb (ug/g AR)	104.04	ICP-MS	142	0.2475	0.21	0.2281	0.229	-1.26	0.3305	7	0.081	0
Pb (ug/g AR)	104.04	ICP-MS	183	0.283	0.287	0.287	0.286	-0.55	0.3305	7	0.081	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Pb (ug/g AR)	104.04	ICP-MS	164	0.271	0.298	0.31	0.293	-0.46	0.3305	7	0.081	0
Pb (ug/g AR)	104.04	ICP-MS	106	0.357	0.335	0.299	0.33	0	0.3305	7	0.081	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.357	0.3572	0.3541	0.356	0.32	0.3305	7	0.081	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.3425	0.3965	0.364	0.368	0.46	0.3305	7	0.081	0
Pb (ug/g AR)	104.03	ICP-OES	192	0.54	0.56	0.35	0.483	1.89	0.3305	7	0.081	0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	142	13.5016	13.3583	14.1284	13.7					0
Ni (ug/g AR)												
Ni (ug/g AR)	106.04	ICP-MS	142	1.3414	1.3369	1.3084	1.33					0
Cr (ug/g AR)												
Cr (ug/g AR)	107.04	ICP-MS	142	0.4008	0.45	0.4343	0.428					0
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	142	0.0883	0.0782	0.0801	0.0822					0
Ag (ug/g AR)												
Ag (ug/g AR)	109.04	ICP-MS	142	0.0124	0.0131	0.0121	0.0125					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	142	58.324	59.6313	60.0322	59.3					0
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0314	0.0321	0.0272	0.0302					0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183	0.11	0.111	0.111	0.111					0
(-)-alpha-Bisabolol (%A	201.01	GC,FID	142	1500	1400	1360	1420					0
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	162	0.039	0.0392	0.0349	0.0377					0
beta-Caryophyllene (%)	202.02	GC,MS	183	0.042	0.043	0.042	0.0423					0
beta-Caryophyllene (%)	202.01	GC,FID	142	665	644	643	651					0
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	183	0.019	0.019	0.02	0.0193					0
(-)-Caryophyllene oxide	203.01	GC,FID	142	289	284	279	284					0
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	162	0.018	0.0181	0.0149	0.017					0
alpha-Humulene (%AR)	205.02	GC,MS	183	0.019	0.019	0.019	0.019					0
alpha-Humulene (%AR)	205.01	GC,FID	142	302	306	317	308					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)									
Moisture (%AR)	500.70	Commerc. Anal.	153	3.46	3.44	3.19	3.36	-1.45	6.6449	14	2.2569	0
Moisture (%AR)	500.99	Other	142	4.41	4.37	4.33	4.37	-1.01	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	154	4.86	4.83	5.31	5	-0.73	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	189	5.015	5.015	5.015	5.01	-0.72	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	116	5.75	5.67	5.5	5.64	-0.45	6.6449	14	2.2569	0
Moisture (%AR)	500.99	Other	102	6	6	5.8	5.93	-0.32	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	106	5.96	5.97	6.15	6.03	-0.27	6.6449	14	2.2569	0
Moisture (%AR)	500.99	Other	103	6.08	6.16	6.43	6.22	-0.19	6.6449	14	2.2569	0
Moisture (%AR)	500.99	Other	165	7.1101	7.1938	7.0728	7.13	0.21	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	183	7.59	7.68	7.94	7.74	0.48	6.6449	14	2.2569	0
Moisture (%AR)	500.70	Commerc. Anal.	162	7.77	8.82	8.82	8.47	0.81	6.6449	14	2.2569	0
Moisture (%AR)	500.50	AOAC 930.15	210	8.93	7.74	9.01	8.56	0.85	6.6449	14	2.2569	0
Moisture (%AR)	500.50	AOAC 930.15	199	9.7345	9.715	9.729	9.73	1.37	6.6449	14	2.2569	0
Moisture (%AR)	500.50	AOAC 930.15	192	9.8627	9.6611	9.9905	9.84	1.41	6.6449	14	2.2569	0
			Δ9-THC (%DW)									
Δ9-THC (%DW)	501.10	Other LC-UV	154	0.148	0.1515	0.1535	0.151	-1.68	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.1629	0.1518	0.1678	0.161	-0.84	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.10	Other LC-UV	142	0.1599	0.1651	0.1582	0.161	-0.82	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.171	0.17	0.167	0.169	-0.11	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.177	0.169	0.174	0.173	0.23	0.1706	9	0.0117	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 (%DW)	501.10	Other LC-UV	116	0.1749	0.1773	0.1751	0.176	0.44	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.1776	0.1776	0.1775	0.178	0.6	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.1811	0.1844	0.18	0.182	0.96	0.1706	9	0.0117	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.1808	0.1805	0.1864	0.183	1.03	0.1706	9	0.0117	0

Δ9-THCA (%DW)

Δ9-THCA (%DW)	502.10	Other LC-UV	142	0.0086	0.0094	0.0091	0.009					0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.014	0.015	0.014	0.0143					0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0163	0.016	0.0163	0.0162					0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0211	0.021	0.0223	0.0215					0
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0328	0.0343	0.0345	0.0339					0

CBD (%DW)

CBD (%DW)	503.01	AOAC 2018.10	210	0.183	0.183	0.18	0.182	-5.96	5.7735	7	0.9384	0
CBD (%DW)	503.10	Other LC-UV	154	5.1364	5.1865	4.9523	5.09	-0.73	5.7735	7	0.9384	0
CBD (%DW)	503.10	Other LC-UV	142	5.5409	5.779	5.5676	5.63	-0.15	5.7735	7	0.9384	0
CBD (%DW)	503.10	Other LC-UV	189	6.0165	6.0214	6.0223	6.02	0.26	5.7735	7	0.9384	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	6.2554	6.1754	6.1027	6.18	0.43	5.7735	7	0.9384	0
CBD (%DW)	503.10	Other LC-UV	116	6.0396	6.5251	6.268	6.28	0.54	5.7735	7	0.9384	0
CBD (%DW)	503.10	Other LC-UV	162	7.0036	6.7519	6.8016	6.85	1.15	5.7735	7	0.9384	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	154	1.4946	1.4949	1.397	1.46	-1.32	2.1273	7	0.5033	0
CBDA (%DW)	504.10	Other LC-UV	142	1.7652	1.9097	1.7697	1.81	-0.62	2.1273	7	0.5033	0
CBDA (%DW)	504.10	Other LC-UV	116	1.9758	2.0903	2.0322	2.03	-0.19	2.1273	7	0.5033	0
CBDA (%DW)	504.10	Other LC-UV	189	2.0943	2.0929	2.0942	2.09	-0.07	2.1273	7	0.5033	0
CBDA (%DW)	504.10	Other LC-UV	162	2.3832	2.2447	2.2301	2.29	0.32	2.1273	7	0.5033	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	2.3143	2.3332	2.3103	2.32	0.38	2.1273	7	0.5033	0
CBDA (%DW)	504.01	AOAC 2018.10	210	6.527	6.519	6.449	6.5	8.68	2.1273	7	0.5033	0
			CBN (%DW)									
CBN (%DW)	505.10	Other LC-UV	142	0.0722	0.0741	0.0721	0.0728	-1.06	0.0862	8	0.0126	0
CBN (%DW)	505.10	Other LC-UV	154	0.0705	0.0768	0.0726	0.0733	-1.02	0.0862	8	0.0126	0
CBN (%DW)	505.30	GC-FID	116	0.0864	0.0722	0.0836	0.0807	-0.43	0.0862	8	0.0126	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0853	0.0858	0.0836	0.0849	-0.1	0.0862	8	0.0126	0
CBN (%DW)	505.10	Other LC-UV	189	0.0876	0.0872	0.0872	0.0873	0.09	0.0862	8	0.0126	0
CBN (%DW)	505.10	Other LC-UV	162	0.0878	0.0884	0.0863	0.0875	0.11	0.0862	8	0.0126	0
CBN (%DW)	505.10	Other LC-UV	116	0.1008	0.0971	0.0951	0.0977	0.91	0.0862	8	0.0126	0
CBN (%DW)	505.10	Other LC-UV	192	0.1214	0.1058	0.1151	0.114	2.21	0.0862	8	0.0126	0
			Total Δ9-THC (%DW)									
Total Δ9-THC (%DW)	506.10	Other LC-UV	154	0.148	0.1515	0.1535	0.151	-1.48	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	142	0.1675	0.1733	0.1662	0.169	-0.8	0.1902	12	0.0265	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)	506.30	Other LC-MS	102	0.1952	0.169	0.174	0.179	-0.41	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.1849	0.1748	0.1773	0.179	-0.42	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.1814	0.1702	0.1873	0.18	-0.4	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.1808	0.1805	0.1864	0.183	-0.29	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.2129	0.161	0.1781	0.184	-0.23	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.1893	0.1913	0.1894	0.19	-0.01	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.1943	0.2063	0.2019	0.201	0.4	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2064	0.2077	0.2078	0.207	0.65	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.2578	0.2437	0.269	0.257	2.52	0.1902	12	0.0265	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	2.442	2.414	2.449	2.43	84.82	0.1902	12	0.0265	0

Total CBD (%DW)

Total CBD (%DW)	507.10	Other LC-UV	154	6.4472	6.4975	6.1775	6.37	-1.96	8.1842	9	0.9251	0
Total CBD (%DW)	507.10	Other LC-UV	142	7.089	7.4539	7.1196	7.22	-1.04	8.1842	9	0.9251	0
Total CBD (%DW)	507.10	Other LC-UV	189	7.8532	7.8569	7.859	7.86	-0.35	8.1842	9	0.9251	0
Total CBD (%DW)	507.10	Other LC-UV	116	7.7723	8.3583	8.0502	8.06	-0.13	8.1842	9	0.9251	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	8.285	8.2216	8.1288	8.21	0.03	8.1842	9	0.9251	0
Total CBD (%DW)	507.40	GC-FID	116	8.6045	8.2763	8.9388	8.61	0.46	8.1842	9	0.9251	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	8.669	8.636	8.597	8.63	0.49	8.1842	9	0.9251	0
Total CBD (%DW)	507.10	Other LC-UV	162	9.0937	8.7206	8.7574	8.86	0.73	8.1842	9	0.9251	0
Total CBD (%DW)	507.10	Other LC-UV	192	10.0374	8.746	9.4603	9.41	1.33	8.1842	9	0.9251	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			CBDV (%DW)									
CBDV (%DW)	508.99	Other	189	0.0337	0.0342	0.0341	0.034					0
CBDV (%DW)	508.99	Other	142	0.0406	0.0449	0.0429	0.0428					0
CBDV (%DW)	508.99	Other	162	0.0509	0.053	0.0504	0.0514					0
CBDV (%DW)	508.02	AOAC 2018.11, U	210	0.062	0.058	0.059	0.0597					0
			CBDVA (%DW)									
CBDVA (%DW)	509.99	Other	142	0.0188	0.0201	0.0194	0.0194					0
CBDVA (%DW)	509.01	AOAC 2018.10	210	0.033	0.031	0.031	0.0317					0
			CBG (%DW)									
CBG (%DW)	510.99	Other	142	0.2077	0.1965	0.2107	0.205					0
CBG (%DW)	510.99	Other	162	0.2148	0.2296	0.225	0.223					0
CBG (%DW)	510.01	AOAC 2018.10	210	0.239	0.244	0.235	0.239					0
CBG (%DW)	510.99	Other	189	0.3227	0.3192	0.3203	0.321					0
			CBGA (%DW)									
CBGA (%DW)	511.99	Other	142	0.1103	0.1165	0.1163	0.114					0
CBGA (%DW)	511.99	Other	162	0.161	0.1577	0.156	0.158					0
CBGA (%DW)	511.99	Other	189	0.1664	0.1665	0.1668	0.167					0
CBGA (%DW)	511.01	AOAC 2018.10	210	0.284	0.278	0.343	0.302					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			THCV (%DW)									
THCV (%DW)	512.02	AOAC 2018.11, U	210	0.013	0.013	0.013	0.013					0
			Δ8-THC (%DW)									
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.013	0.013	0.013	0.013					0
Δ8-THC (%DW)	513.99	Other	189	0.0138	0.0143	0.0128	0.0136					0
			CBC (%DW)									
CBC (%DW)	514.99	Other	142	0.2275	0.2377	0.2281	0.231					0
CBC (%DW)	514.01	AOAC 2018.10	210	0.256	0.259	0.259	0.258					0
CBC (%DW)	514.99	Other	162	0.2653	0.265	0.2573	0.263					0
CBC (%DW)	514.99	Other	189	0.2938	0.294	0.2939	0.294					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.