

Hemp Proficiency Testing

All Labs Precision

HM23SEP-1 (hemp)



Sample: HM23SEP-1 (hemp)

All Labs Precision

Issue Date: November 1, 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)	001.01	AOAC 2018.10	175	0.23	0.23	0.23	0	0	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.1608	0.1615	0.1605	0.32	0.06	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.1847	0.1832	0.183	0.51	0.1	3.95	0	12.1	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.217	0.2145	0.2145	0.67	0.13	3.95	0	12.1	0
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.2019	0.1993	0.2009	0.65	0.13	3.95	0	12.1	0
Δ9-THC (%AR)	001.99	Other	215	0.2096	0.2069	0.2099	0.79	0.16	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	113	0.184	0.187	0.184	0.94	0.18	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.2038	0.2072	0.2036	0.99	0.2	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.2396	0.237	0.234	1.18	0.24	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.2013	0.2103	0.2052	2.2	0.43	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	142	0.199	0.188	0.19	3.05	0.6	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.18	0.18	0.19	3.15	0.61	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.2069	0.1945	0.2007	3.09	0.61	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.2144	0.2032	0.2036	3.07	0.61	3.95	0	12.1	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)	001.01	AOAC 2018.10	148	0.17	0.159	0.167	3.44	0.66	3.95	0	12.1	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.2227	0.2095	0.2085	3.71	0.74	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.17	0.183	0.18	3.83	0.74	3.95	0	12.1	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.069	0.076	0.073	4.83	0.82	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1613	0.1499	0.1623	4.36	0.83	3.95	0	12.1	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1529	0.1573	0.1676	4.74	0.9	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1931	0.2057	0.212	4.73	0.93	3.95	0	12.1	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.2007	0.2201	0.2156	4.79	0.95	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.174	0.19	0.19	5	0.97	3.95	0	12.1	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.195	0.182	0.177	5.03	0.98	3.95	0	12.1	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.208	0.196	0.187	5.35	1.05	3.95	0	12.1	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.2209	0.2426	0.2231	5.22	1.05	3.95	0	12.1	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.21	0.19	0.19	5.87	1.15	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1878	0.211	0.1953	5.98	1.18	3.95	0	12.1	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.2106	0.1838	0.1967	6.8	1.34	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1782	0.195	0.205	7.03	1.38	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1919	0.1762	0.2089	8.5	1.66	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.171	0.145	0.175	9.95	1.9	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.2357	0.193	0.234	10.9	2.19	3.95	0	12.1	0
Δ9-THC (%AR)	001.10	Other LC-UV	225	0.143	0.1553	0.1218	12.1	2.26	3.95	0	12.1	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	0.0522	0.0131	0						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)	002.02	AOAC 2018.11, U	161	<0.0500	<0.0500	<0.0500						1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0761	<0.0735	<0.0739						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.05	0.05	0.05	0	0	4.48	0	30.7	0
Δ9-THCA (%AR)	002.30	Other LC-MS	122	0.0633	0.063	0.0632	0.24	0.04	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0534	0.0536	0.053	0.57	0.09	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0.0509	0.0501	0.0505	0.79	0.13	4.48	0	30.7	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.057	0.057	0.058	1.01	0.16	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0618	0.0628	0.0633	1.22	0.2	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0592	0.0599	0.0579	1.72	0.28	4.48	0	30.7	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.052	0.0502	0.053	2.74	0.44	4.48	0	30.7	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.072	0.0767	0.0747	3.17	0.54	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0612	0.0612	0.0647	3.24	0.54	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0399	0.0428	0.042	3.6	0.56	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	142	0.0391	0.0366	0.0366	3.86	0.59	4.48	0	30.7	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.06	0.06	0.056	3.94	0.64	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0518	0.0559	0.0552	4.04	0.65	4.48	0	30.7	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.062	0.057	0.06	4.22	0.69	4.48	0	30.7	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0721	0.067	0.067	4.29	0.72	4.48	0	30.7	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	149	0.05	0.055	0.052	4.81	0.77	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	113	0.052	0.055	0.05	4.81	0.77	4.48	0	30.7	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	0.05	0.048	0.053	5	0.8	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0574	0.0547	0.0518	5.13	0.83	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.039	0.043	0.043	5.54	0.86	4.48	0	30.7	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	0.0513	0.0547	0.0571	5.36	0.87	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.0808	0.0722	0.076	5.65	0.96	4.48	0	30.7	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0779	0.086	0.0757	6.79	1.16	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	144	0.054	0.0607	0.0531	7.42	1.21	4.48	0	30.7	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0594	0.0697	0.0624	8.3	1.38	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	163	0.0573	0.048	0.057	9.77	1.58	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	225	0.0381	0.0411	0.0309	14.3	2.18	4.48	0	30.7	0
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.06	0.063	0.048	13.9	2.27	4.48	0	30.7	0
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0.015	0.008	0.014	30.7	3.98	4.48	0	30.7	0

CBD (%AR)

CBD (%AR)	003.60	NIR	187	2.938								1
CBD (%AR)	003.30	Other LC-MS	122	4.3079	4.2916	4.2997	0.19	0.06	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	189	3.8136	3.835	3.8103	0.35	0.11	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	170	4.0355	4.0782	4.0732	0.57	0.18	3.12	0.19	8.69	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	4.0775	3.991	4.048	1.09	0.34	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	106	3.87	3.95	3.99	1.55	0.48	3.12	0.19	8.69	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%AR)	003.02	AOAC 2018.11, U	125	4.18	4.11	4.05	1.58	0.49	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	197	4.2873	4.4167	4.4158	1.7	0.53	3.12	0.19	8.69	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	4.0793	4.1068	3.969	1.8	0.56	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	116	4.6478	4.5219	4.7161	2.13	0.67	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	142	4.01	3.84	4	2.42	0.74	3.12	0.19	8.69	0
CBD (%AR)	003.99	Other	215	3.7877	3.9167	3.7237	2.58	0.79	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	191	3.9807	3.782	3.8813	2.56	0.79	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	192	4.1022	3.9098	4.1174	2.86	0.88	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	184	3.835	3.961	3.741	2.87	0.88	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	113	4.21	4.01	4.28	3.36	1.04	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	155	3.27	3.05	3.19	3.51	1.05	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	149	3.723	3.893	4	3.61	1.11	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	144	4.2567	4.4948	4.0768	4.9	1.53	3.12	0.19	8.69	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	3.922	3.634	3.552	5.25	1.6	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	196	3.518	3.835	3.891	5.37	1.64	3.12	0.19	8.69	0
CBD (%AR)	003.30	Other LC-MS	164	4.1105	4.4819	4.0814	5.29	1.64	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	163	4.3707	3.8473	4.188	6.42	1.99	3.12	0.19	8.69	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	3.2904	3.5421	3.8506	7.88	2.39	3.12	0.19	8.69	0
CBD (%AR)	003.10	Other LC-UV	141	3.8982	4.1217	4.6135	8.69	2.7	3.12	0.19	8.69	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)	004.30	Other LC-MS	122	4.3419	4.3314	4.3376	0.12	0.04	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	189	3.7139	3.7278	3.7101	0.25	0.08	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	106	3.94	3.92	3.99	0.91	0.28	4.01	0.12	10.1	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	4.3475	4.2705	4.3415	0.99	0.31	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	197	4.1766	4.3284	4.3005	1.89	0.59	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	155	3.16	3.05	3.19	2.35	0.7	4.01	0.12	10.1	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	4.5128	4.5543	4.3614	2.27	0.71	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	142	3.63	3.43	3.53	2.83	0.86	4.01	0.12	10.1	0
CBDA (%AR)	004.99	Other	215	3.6058	3.6978	3.4893	2.9	0.88	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	184	4.474	4.487	4.245	3.09	0.97	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	191	4.5924	4.3048	4.4486	3.23	1.01	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	149	3.842	4.012	4.171	4.1	1.27	4.01	0.12	10.1	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	4.234	4.083	3.873	4.46	1.38	4.01	0.12	10.1	0
CBDA (%AR)	004.30	Other LC-MS	164	5.5904	6.0228	5.5937	4.34	1.41	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	196	3.543	3.805	3.873	4.66	1.42	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	170	4.6995	4.4242	4.877	4.89	1.54	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	116	4.382	4.8312	4.4522	5.3	1.67	4.01	0.12	10.1	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	4.05	4.47	4.43	5.37	1.68	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	144	4.3951	4.6211	4.0208	6.98	2.18	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	141	3.7813	4.0818	4.3628	7.14	2.21	4.01	0.12	10.1	0
CBDA (%AR)	004.10	Other LC-UV	192	4.2178	3.787	3.6468	7.66	2.35	4.01	0.12	10.1	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	3.2496	3.5415	3.8714	8.75	2.65	4.01	0.12	10.1	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	163	4.599	4.2647	5.198	10.1	3.19	4.01	0.12	10.1	0
CBN (%AR)												
CBN (%AR)	005.30	GC-FID	116	<0.0400	<0.0400	<0.0400						1
CBN (%AR)	005.30	GC-FID	138	<0.0200	0.0343	<0.0200						1
CBN (%AR)	005.10	Other LC-UV	197	<0.0761	<0.0735	<0.0739						1
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.03	0.03	0	0	7.61	0	35.1	0
CBN (%AR)	005.20	Other LC-MS	122	0.0332	0.0327	0.0329	0.76	0.11	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	142	0.0243	0.023	0.024	2.86	0.41	7.61	0	35.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.024	0.023	0.0245	3.2	0.46	7.61	0	35.1	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.029	0.0293	0.0308	3.25	0.48	7.61	0	35.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0508	0.0513	0.0484	3.09	0.49	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	144	0.0231	0.0244	0.025	4.02	0.58	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	196	0.025	0.027	0.025	4.5	0.65	7.61	0	35.1	0
CBN (%AR)	005.30	GC-FID	192	0.0216	0.0214	0.0233	4.72	0.67	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	149	0.027	0.03	0.029	5.33	0.78	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	189	0.029	0.0261	0.0295	6.51	0.96	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	116	0.0477	0.0548	0.0488	7.58	1.21	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	192	0.0307	0.0234	0.0333	17.6	2.6	7.61	0	35.1	0
CBN (%AR)	005.30	GC-FID	163	0.065	0.0577	0.044	19.2	3.12	7.61	0	35.1	0
CBN (%AR)	005.10	Other LC-UV	141	0.0236	0.0377	0.0328	22.8	3.4	7.61	0	35.1	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.021	0.044	0.04	35.1	5.32	7.61	0	35.1	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	0.262	0.26							1
Total Δ9-THC (%AR)	006.60	NIR	187	0.218								1
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.2933	0.2907	0.2908	0.5	0.11	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.2574	0.2546	0.2562	0.55	0.11	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.2265	0.229	0.226	0.71	0.14	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	182	0.1958	0.199	0.1973	0.81	0.16	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.283	0.283	0.279	0.82	0.17	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	128	0.277	0.2781	0.2817	0.88	0.18	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.2507	0.2542	0.2501	0.88	0.18	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.2609	0.2566	0.261	0.97	0.2	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.0822	0.083	0.0853	1.93	0.33	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.2532	0.2628	0.2559	1.92	0.39	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.2388	0.2403	0.2298	2.4	0.49	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.123	0.1247	0.1298	2.81	0.52	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.249	0.2406	0.2366	2.61	0.53	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.2515	0.2384	0.2449	2.67	0.54	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.233	0.22	0.222	3.11	0.62	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.224	0.209	0.219	3.51	0.7	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.2406	0.2276	0.2235	3.87	0.78	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.2859	0.2683	0.2672	3.83	0.79	4	0.51	19.8	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.2473	0.2608	0.2675	3.98	0.81	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.213	0.231	0.226	4.16	0.83	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2491	0.2583	0.2717	4.38	0.9	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	161	0.1529	0.1573	0.1676	4.74	0.9	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.26	0.24	0.24	4.68	0.95	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.277	0.271	0.253	4.68	0.96	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.284	0.3099	0.2886	4.7	0.98	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	120	0.2556	0.2317	0.2468	4.94	1	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.2631	0.2511	0.2767	4.86	1	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.208	0.228	0.227	5.1	1.02	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.2543	0.231	0.2354	5.15	1.04	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2528	0.2812	0.2703	5.34	1.1	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.223	0.2	0.217	5.59	1.11	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.2352	0.2642	0.2419	6.14	1.25	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1919	0.1762	0.2089	8.5	1.66	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.2296	0.2449	0.2065	8.52	1.71	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	225	0.1765	0.1914	0.1489	12.5	2.41	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.241	0.221	0.282	12.5	2.55	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.2071	0.1614	0.1415	19.8	3.8	4	0.51	19.8	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.2867	0.2053	0.293	18.7	3.83	4	0.51	19.8	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)	007.30	Other LC-MS	122	8.1157	8.0745	8.1038	0.26	0.09	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	189	7.0707	7.1043	7.0641	0.3	0.1	3.34	0.26	8.89	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	7.8903	7.7362	7.855	1.03	0.35	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	192	4.7365	4.8413	4.8642	1.41	0.45	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	116	8.4908	8.7589	8.6207	1.55	0.54	3.34	0.26	8.89	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	5.512	5.316	5.371	1.87	0.6	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	197	7.9502	8.2127	8.1873	1.78	0.61	3.34	0.26	8.89	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	7.74	8.03	7.93	1.86	0.64	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	138	8.5946	8.2748	8.4537	1.9	0.66	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	169	7.4102	7.4148	7.6802	2.06	0.7	3.34	0.26	8.89	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	8.1009	8.1	7.7939	2.21	0.76	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	142	7.19	6.85	7.1	2.5	0.84	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	116	8.0095	7.7115	7.6085	2.68	0.91	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	191	8.008	7.557	7.782	2.9	0.99	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	155	6.04	5.79	6.2	3.44	1.13	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	170	6.5304	6.3469	6.7961	3.44	1.14	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	149	7.092	7.411	7.658	3.84	1.3	3.34	0.26	8.89	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	7.6352	7.2148	6.9486	4.76	1.61	3.34	0.26	8.89	0
Total CBD (%AR)	007.30	Other LC-MS	164	9.0133	9.7639	8.9871	4.77	1.67	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	196	6.625	7.172	7.287	5.03	1.69	3.34	0.26	8.89	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	8.1121	8.5484	7.6038	5.85	2	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	192	7.8012	7.231	6.7433	7.29	2.46	3.34	0.26	8.89	0
Total CBD (%AR)	007.10	Other LC-UV	141	7.2144	7.7014	8.4397	7.92	2.7	3.34	0.26	8.89	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	161	6.1403	6.648	7.2458	8.29	2.76	3.34	0.26	8.89	0
Total CBD (%AR)	007.40	GC-FID	163	7.9657	6.6963	7.6497	8.89	3.01	3.34	0.26	8.89	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0761	<0.0735	<0.0739						1
CBDV (%AR)	008.99	Other	189	0.0162	0.017	0.0164	2.52	0.34				0
CBDV (%AR)	008.99	Other	196	0.0205	0.022	0.022	4.03	0.57				0
CBDV (%AR)	008.99	Other	142	0.0303	0.0282	0.0306	4.4	0.65				0
CBDV (%AR)	008.99	Other	106	0.06	0.05	0.06	10.2	1.66				0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	197	<0.0761	<0.0735	<0.0739						1
CBDVA (%AR)	009.99	Other	142	0.0316	0.0298	0.0304	3	0.44				0
CBDVA (%AR)	009.99	Other	196	0.029	0.032	0.032	5.59	0.83				0
CBDVA (%AR)	009.99	Other	149	0.079	0.098	0.083	11.6	2.01				0

CBG (%AR)

CBG (%AR)	010.99	Other	189	0.1888	0.1884	0.1883	0.14	0.03	3.65	0.14	6.61	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.194	0.197	0.197	0.88	0.17	3.65	0.14	6.61	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	142	0.196	0.187	0.196	2.69	0.53	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	196	0.165	0.159	0.156	2.86	0.55	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	106	0.2	0.21	0.21	2.79	0.55	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	141	0.193	0.1949	0.1815	3.82	0.75	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	155	0.294	0.291	0.312	3.8	0.79	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	197	0.1391	0.1422	0.1567	6.44	1.21	3.65	0.14	6.61	0
CBG (%AR)	010.99	Other	149	0.196	0.223	0.212	6.45	1.28	3.65	0.14	6.61	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.237	0.232	0.209	6.61	1.32	3.65	0.14	6.61	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	106	0.26	0.26	0.26	0	0	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	189	0.2845	0.2839	0.2881	0.8	0.17	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	141	0.2181	0.2128	0.2197	1.67	0.33	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	142	0.261	0.253	0.252	1.93	0.39	3.18	0	6.28	0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.291	0.281	0.276	2.7	0.56	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	196	0.257	0.274	0.28	4.41	0.91	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	197	0.2934	0.2676	0.269	5.24	1.08	3.18	0	6.28	0
CBGA (%AR)	011.99	Other	149	0.294	0.325	0.324	5.6	1.18	3.18	0	6.28	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.316	0.285	0.283	6.28	1.31	3.18	0	6.28	0

THCV (%AR)

THCV (%AR)	012.99	Other	149	<0.0250	<0.0250	<0.0250						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	106	<0.0300	<0.0300	<0.0300						1
THCV (%AR)	012.99	Other	189	<0.0050	0.005	0.0043						1
THCV (%AR)	012.99	Other	142	<0.0022	<0.0022	<0.0022						1
THCV (%AR)	012.99	Other	196	<0.0205	<0.0205	<0.0205						1
THCV (%AR)	012.99	Other	197	<0.0761	<0.0735	<0.0739						1

Δ8-THC (%AR)

Δ8-THC (%AR)	013.99	Other	106	<0.0300	<0.0300	<0.0300						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	196	<0.0205	<0.0205	<0.0205						1
Δ8-THC (%AR)	013.99	Other	141	<0.0120	<0.0120	<0.0120						1
Δ8-THC (%AR)	013.99	Other	197	<0.0761	<0.0735	<0.0739						1
Δ8-THC (%AR)	013.99	Other	189	0.0066	0.0068	0.008	10.6	1.27				0

CBC (%AR)

CBC (%AR)	014.99	Other	189	0.2277	0.2291	0.2278	0.34	0.07	3.29	0.34	16.8	0
CBC (%AR)	014.99	Other	197	0.2132	0.2176	0.2118	1.41	0.28	3.29	0.34	16.8	0
CBC (%AR)	014.99	Other	106	0.23	0.23	0.24	2.47	0.5	3.29	0.34	16.8	0
CBC (%AR)	014.02	AOAC 2018.11, U	125	0.248	0.238	0.232	3.38	0.68	3.29	0.34	16.8	0
CBC (%AR)	014.99	Other	155	0.205	0.19	0.196	3.83	0.75	3.29	0.34	16.8	0
CBC (%AR)	014.99	Other	196	0.209	0.219	0.226	3.92	0.78	3.29	0.34	16.8	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	0.216	0.234	0.233	4.44	0.89	3.29	0.34	16.8	0
CBC (%AR)	014.99	Other	142	0.288	0.214	0.222	16.8	3.41	3.29	0.34	16.8	0

Cd (ug/g AR)

Cd (ug/g AR)	101.04	ICP-MS	141	<0.2000	<0.2000	<0.2000						1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000	<0.2000	<0.2000						1
Cd (ug/g AR)	101.04	ICP-MS	142	0.158	0.156	0.157	0.64	0.12				0
Cd (ug/g AR)	101.04	ICP-MS	106	0.127	0.123	0.126	1.66	0.3				0
Cd (ug/g AR)	101.04	ICP-MS	102	0.1509	0.1583	0.1515	2.68	0.51				0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1662	0.1541	0.1654	4.18	0.8				0
Cd (ug/g AR)	101.04	ICP-MS	196	0.113	0.127	0.128	6.84	1.25				0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
As (ug/g AR)	102.04	ICP-MS	197	<0.0977	<0.0982	<0.0958						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	141	<0.2000	<0.2000	<0.2000						1
As (ug/g AR)	102.04	ICP-MS	196	0.0534	0.0531	0.0482	5.66	0.91				0
As (ug/g AR)	102.04	ICP-MS	102	0.0507	0.0449	0.0448	7.22	1.14				0
As (ug/g AR)	102.04	ICP-MS	142	0.06	0.072	0.053	15.6	2.57				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	162	<0.2000	<0.2000	<0.2000						1
Hg (ug/g AR)	103.04	ICP-MS	141	<0.1000	<0.1000	<0.1000						1
Hg (ug/g AR)	103.04	ICP-MS	106	<0.0800	<0.0800	<0.0800						1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0977	<0.0982	<0.0958						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	102	0.0049	0.0048	0.0051	3.1	0.35				0
Hg (ug/g AR)	103.04	ICP-MS	142	0.0141	0.0146	0.0096	21.6	2.81				0
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	106	0.545	0.574	0.548	2.87	0.66	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.4991	0.5221	0.5349	3.5	0.79	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.519	0.571	0.567	5.24	1.2	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	197	0.5478	0.4964	0.4951	5.86	1.33	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	141	0.674	0.591	0.661	6.95	1.63	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.5089	0.5797	0.5054	7.89	1.8	6.14	2.87	17.5	0
Pb (ug/g AR)	104.04	ICP-MS	142	0.44	0.558	0.401	17.5	3.92	6.14	2.87	17.5	0
Cu (ug/g AR)												
Cu (ug/g AR)	105.04	ICP-MS	142	15.1	15.1	15.2	0.38	0.14				0
Cu (ug/g AR)	105.04	ICP-MS	196	9.13	9.59	9.07	3.07	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	141	1.11	1.15	1.12	1.85	0.47				0
Ni (ug/g AR)	106.04	ICP-MS	196	0.823	0.889	0.864	3.88	0.95				0
Ni (ug/g AR)	106.04	ICP-MS	142	0.861	0.909	0.938	4.31	1.06				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	0.479	0.481	0.511	3.66	0.82				0
Cr (ug/g AR)	107.04	ICP-MS	196	0.645	0.601	0.575	5.83	1.36				0
Se (ug/g AR)												
Se (ug/g AR)	108.04	ICP-MS	197	<0.0977	<0.0982	<0.0958						1
Se (ug/g AR)	108.04	ICP-MS	196	<0.0960	<0.0960	<0.0960						1
Se (ug/g AR)	108.04	ICP-MS	141	<1.0000	<1.0000	<1.0000						1
Se (ug/g AR)	108.04	ICP-MS	142	0.052	0.0481	0.043	9.46	1.5				0
Ag (ug/g AR)												
Ag (ug/g AR)	109.04	ICP-MS	142	0.0154	0.013	0.0117	14	1.84				0
Ba (ug/g AR)												
Ba (ug/g AR)	110.04	ICP-MS	142	0.1505	0.124	0.1164	13.7	2.54				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	67	71.4	67	3.71	1.75				0
Zn (ug/g AR)	111.04	ICP-MS	196	53.7	58.5	57.9	4.61	2.12				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	0.096	0.0929	0.0941	1.66	0.29				0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.1063	0.0978	0.0954	5.74	1.02				0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162	0.0279	0.0324	0.0257	11.9	1.75				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	0.0396	0.0432	0.0403	4.65	0.72				0
beta-Caryophyllene (%)	202.01	GC,FID	142	0.0559	0.0531	0.0505	5.08	0.82				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	0.0222	0.021	0.0212	2.99	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)	204.02	GC,MS	196	<0.0650	<0.0650	<0.0650						1
Geraniol (%AR)	204.01	GC,FID	142	<0.0005	<0.0005	<0.0005						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	0.0301	0.0283	0.0284	3.5	0.51				0
alpha-Humulene (%AR)	205.02	GC,MS	162	0.0172	0.0183	0.0151	9.64	1.31				0
d-Limonene (%AR)												
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
d-Limonene (%AR)	206.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
Linalool (%AR)	207.01	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)	208.01	GC,FID	142	<0.0005	<0.0005	<0.0005						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)	208.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
beta-Myrcene (%AR)	208.02	GC,MS	196	0.0015	0.0018	0.0015	10.8	1.03				0
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)	210.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
Ocimene (%AR)	210.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Pinene (%AR)	211.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Pinene (%AR)	211.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
(-)-beta-Pinene (%AR)	212.02	GC,MS	196	<0.0013	<0.0013	<0.0013						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)	213.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinene (%AR)	213.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
gamma-Terpinene (%A	214.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	196	<0.0013	<0.0013	<0.0013						1
alpha-Terpinolene (%A	215.02	GC,MS	162	<0.0100	<0.0100	<0.0100						1
alpha-Terpinolene (%A	215.01	GC,FID	142	<0.0005	<0.0005	<0.0005						1
Moisture (%AR)												
Moisture (%AR)	500.72	NIR	187	8.75								1
Moisture (%AR)	500.70	Commerc. Anal.	189	7.227	7.227	7.227	0	0	2.29	0	5.78	0
Moisture (%AR)	500.70	Commerc. Anal.	116	7.61	7.61	7.52	0.69	0.23	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	103	7.65	7.76	7.7	0.72	0.24	2.29	0	5.78	0
Moisture (%AR)	500.72	NIR	138	8.7	8.6	8.5	1.16	0.4	2.29	0	5.78	0
Moisture (%AR)	500.70	Commerc. Anal.	106	8.89	8.9	8.7	1.28	0.44	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	102	9.8	9.7	9.5	1.58	0.56	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	165	9.702	9.4699	9.7603	1.59	0.56	2.29	0	5.78	0
Moisture (%AR)	500.50	AOAC 930.15	199	12.2594	12.4358	12.0523	1.57	0.57	2.29	0	5.78	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Moisture (%AR)	500.70	Commerc. Anal.	182	9.23	9.38	9.7	2.54	0.89	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	215	9.2709	9.7721	9.6912	2.81	0.99	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	120	9.6294	9.1444	9.1953	2.86	1	2.29	0	5.78	0
Moisture (%AR)	500.50	AOAC 930.15	192	10.9406	11.5734	11.2471	2.81	1.01	2.29	0	5.78	0
Moisture (%AR)	500.70	Commerc. Anal.	153	5.93	5.94	5.61	3.22	1.05	2.29	0	5.78	0
Moisture (%AR)	500.99	Other	142	7.3	7.5	6.9	4.22	1.42	2.29	0	5.78	0
Moisture (%AR)	500.50	AOAC 930.15	210	10.85	10.27	9.71	5.55	1.97	2.29	0	5.78	0
Moisture (%AR)	500.70	Commerc. Anal.	162	10.48	9.71	10.89	5.78	2.06	2.29	0	5.78	0

Δ9-THC (%DW)

Δ9-THC (%DW)	501.60	NIR	187	0.205								1
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.2473	0.245	0.2439	0.71	0.14	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.99	Other	215	0.2316	0.2285	0.2319	0.82	0.16	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.2197	0.2234	0.2195	0.99	0.2	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.207	0.203	0.203	1.13	0.22	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.2593	0.2565	0.2532	1.19	0.24	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.2143	0.2127	0.2303	4.44	0.89	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.306	0.334	0.322	4.38	0.93	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.2138	0.2272	0.2349	4.74	0.95	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.2112	0.1973	0.1918	5	0.98	3.03	0.71	7.19	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	120	0.2331	0.2019	0.2166	7.19	1.43	3.03	0.71	7.19	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	0.033								1
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0576	0.0578	0.0572	0.53	0.09	3.21	0.53	120	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0563	0.0564	0.0574	1.07	0.17	3.21	0.53	120	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0684	0.0693	0.0701	1.23	0.21	3.21	0.53	120	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0603	0.064	0.0621	2.98	0.49	3.21	0.53	120	0
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.055	0.058	0.055	3.09	0.5	3.21	0.53	120	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0662	0.0662	0.0701	3.34	0.56	3.21	0.53	120	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	199	0.057	0.0548	0.0603	4.83	0.79	3.21	0.53	120	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	120	0.0568	0.0601	0.0629	5.09	0.84	3.21	0.53	120	0
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0.316	0.021	0.062	120	22.25	3.21	0.53	120	0
CBD (%DW)												
CBD (%DW)	503.60	NIR	187	3.22								1
CBD (%DW)	503.01	AOAC 2018.10	210	4.331	4.323	4.329	0.1	0.03	2.09	0.1	5.21	0
CBD (%DW)	503.10	Other LC-UV	189	4.1107	4.1338	4.1071	0.35	0.11	2.09	0.1	5.21	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	4.6472	4.5578	4.6027	0.97	0.31	2.09	0.1	5.21	0
CBD (%DW)	503.10	Other LC-UV	116	5.0295	4.8928	5.1029	2.13	0.68	2.09	0.1	5.21	0
CBD (%DW)	503.99	Other	215	4.1848	4.3273	4.095	2.79	0.87	2.09	0.1	5.21	0
CBD (%DW)	503.10	Other LC-UV	162	4.303	4.2779	4.0606	3.16	0.98	2.09	0.1	5.21	0
CBD (%DW)	503.02	AOAC 2018.11, U	103	4.2469	3.9397	3.8483	5.21	1.61	2.09	0.1	5.21	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	4.078								1
CBDA (%DW)	504.10	Other LC-UV	189	4.0032	4.0182	3.9991	0.25	0.08	2.74	0.25	5.3	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	4.9549	4.877	4.9365	0.83	0.26	2.74	0.25	5.3	0
CBDA (%DW)	504.01	AOAC 2018.10	210	4.982	4.851	4.908	1.34	0.43	2.74	0.25	5.3	0
CBDA (%DW)	504.10	Other LC-UV	162	4.3718	4.3016	4.0969	3.36	1.04	2.74	0.25	5.3	0
CBDA (%DW)	504.99	Other	215	3.9839	4.0855	3.7994	3.67	1.13	2.74	0.25	5.3	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	4.5847	4.4265	4.1961	4.44	1.39	2.74	0.25	5.3	0
CBDA (%DW)	504.10	Other LC-UV	116	4.7419	5.2274	4.8174	5.3	1.69	2.74	0.25	5.3	0
CBN (%DW)												
CBN (%DW)	505.01	AOAC 2018.10	210	<0.0230	<0.0240	<0.0230						1
CBN (%DW)	505.10	Other LC-UV	162	0.0316	0.0306	0.0324	2.86	0.43	7.9	2.86	17.4	0
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0274	0.0263	0.0279	3.01	0.44	7.9	2.86	17.4	0
CBN (%DW)	505.10	Other LC-UV	189	0.0312	0.0281	0.0318	6.54	0.97	7.9	2.86	17.4	0
CBN (%DW)	505.10	Other LC-UV	116	0.0516	0.0593	0.0528	7.59	1.23	7.9	2.86	17.4	0
CBN (%DW)	505.30	GC-FID	116	0.0289	0.0355	0.034	10.5	1.58	7.9	2.86	17.4	0
CBN (%DW)	505.10	Other LC-UV	192	0.0344	0.0265	0.0376	17.4	2.61	7.9	2.86	17.4	0
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.60	NIR	187	0.234								1
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.3174	0.3145	0.3146	0.52	0.11	2.51	0.52	14.3	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)	506.40	GC-FID	138	0.2478	0.2505	0.2472	0.71	0.14	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2973	0.293	0.2967	0.79	0.16	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.255	0.254	0.251	0.82	0.17	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2702	0.274	0.2696	0.88	0.18	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	182	0.2157	0.2196	0.2168	0.92	0.18	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.2539	0.2555	0.2435	2.6	0.53	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.2694	0.2603	0.256	2.61	0.54	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.363	0.353	0.376	3.17	0.68	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.2671	0.2689	0.2847	3.54	0.73	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.2605	0.2468	0.2421	3.83	0.78	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.2739	0.2881	0.2964	3.98	0.83	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	120	0.2829	0.2546	0.2717	5.28	1.09	2.51	0.52	14.3	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.2325	0.1826	0.1836	14.3	2.81	2.51	0.52	14.3	0

Total CBD (%DW)

Total CBD (%DW)	507.60	NIR	187	6.793								1
Total CBD (%DW)	507.10	Other LC-UV	189	7.6215	7.6578	7.6143	0.31	0.1	2.2	0.31	4.73	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	8.7	8.577	8.633	0.71	0.25	2.2	0.31	4.73	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	199	8.9927	8.8349	8.932	0.89	0.31	2.2	0.31	4.73	0
Total CBD (%DW)	507.10	Other LC-UV	116	9.1882	9.4772	9.3278	1.55	0.54	2.2	0.31	4.73	0
Total CBD (%DW)	507.40	GC-FID	138	9.4033	9.0534	9.2962	1.94	0.68	2.2	0.31	4.73	0
Total CBD (%DW)	507.40	GC-FID	116	8.6665	8.344	8.2325	2.68	0.92	2.2	0.31	4.73	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)	507.10	Other LC-UV	162	8.137	8.0504	7.6536	3.24	1.11	2.2	0.31	4.73	0
Total CBD (%DW)	507.10	Other LC-UV	192	8.7595	8.1774	8.2731	3.71	1.28	2.2	0.31	4.73	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	103	8.2677	7.8218	7.5283	4.73	1.61	2.2	0.31	4.73	0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0260	<0.0260	<0.0260						1
CBDV (%DW)	508.99	Other	162	<0.0100	<0.0100	<0.0100						1
CBDV (%DW)	508.99	Other	189	0.0175	0.0183	0.0177	2.33	0.32				0
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	0.08	0.079	0.078	1.27	0.22				0
CBG (%DW)												
CBG (%DW)	510.99	Other	189	0.2035	0.203	0.203	0.14	0.03				0
CBG (%DW)	510.02	AOAC 2018.11, U	103	0.2101	0.2136	0.2134	0.93	0.18				0
CBG (%DW)	510.01	AOAC 2018.10	210	0.201	0.193	0.199	2.11	0.41				0
CBG (%DW)	510.99	Other	162	0.1965	0.2139	0.201	4.43	0.87				0
CBGA (%DW)												
CBGA (%DW)	511.99	Other	189	0.3066	0.3061	0.3105	0.78	0.16				0
CBGA (%DW)	511.02	AOAC 2018.11, U	103	0.3151	0.3046	0.299	2.67	0.56				0
CBGA (%DW)	511.99	Other	162	0.3498	0.3626	0.3337	4.15	0.89				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBGA (%DW)	511.01	AOAC 2018.10	210	0.104	0.136	0.129	13.7	2.5				0
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0260	<0.0260	<0.0260						1
THCV (%DW)	512.99	Other	189	0	0.0054	0.0046						1
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.99	Other	162	<0.0100	<0.0100	<0.0100						1
Δ8-THC (%DW)	513.99	Other	189	0.0072	0.0074	0.0086	9.79	1.18				0
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.022	0.02	0.018	10	1.39				0
CBC (%DW)												
CBC (%DW)	514.99	Other	189	0.2455	0.247	0.2456	0.34	0.07				0
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.238	0.232	0.237	1.36	0.28				0
CBC (%DW)	514.99	Other	162	0.2407	0.2536	0.2337	4.16	0.84				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