

Hemp Proficiency Testing

All Labs Trueness

HM23SEP-1 (hemp)



Sample: HM23SEP-1 (hemp)

All Labs Trueness

Issue Date: November 1, 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	0.069	0.076	0.073	0.0727	-4.91	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	225	0.143	0.1553	0.1218	0.14	-2.16	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.1613	0.1499	0.1623	0.158	-1.44	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	161	0.1529	0.1573	0.1676	0.159	-1.38	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	182	0.1608	0.1615	0.1605	0.161	-1.31	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	155	0.171	0.145	0.175	0.164	-1.2	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	148	0.17	0.159	0.167	0.165	-1.13	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.17	0.183	0.18	0.178	-0.63	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.18	0.18	0.19	0.183	-0.4	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	170	0.1847	0.1832	0.183	0.184	-0.39	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.60	NIR	187	0.185			0.185					1
Δ9-THC (%AR)	001.10	Other LC-UV	196	0.174	0.19	0.19	0.185	-0.35	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	113	0.184	0.187	0.184	0.185	-0.33	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.195	0.182	0.177	0.185	-0.35	0.1931	34	0.0246	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	142	0.199	0.188	0.19	0.192	-0.03	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	197	0.1919	0.1762	0.2089	0.192	-0.03	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	141	0.1782	0.195	0.205	0.193	-0.02	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	115	0.21	0.19	0.19	0.197	0.14	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	125	0.208	0.196	0.187	0.197	0.16	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	120	0.2106	0.1838	0.1967	0.197	0.16	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	144	0.1878	0.211	0.1953	0.198	0.2	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.30	Other LC-MS	122	0.2019	0.1993	0.2009	0.201	0.31	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	191	0.2069	0.1945	0.2007	0.201	0.31	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	165	0.1931	0.2057	0.212	0.204	0.43	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.2038	0.2072	0.2036	0.205	0.48	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	217	0.2013	0.2103	0.2052	0.206	0.51	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.2144	0.2032	0.2036	0.207	0.57	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.99	Other	215	0.2096	0.2069	0.2099	0.209	0.64	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.2007	0.2201	0.2156	0.212	0.77	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	101	0.2227	0.2095	0.2085	0.214	0.83	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	0.217	0.2145	0.2145	0.215	0.9	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	163	0.2357	0.193	0.234	0.221	1.13	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.30	Other LC-MS	164	0.2209	0.2426	0.2231	0.229	1.45	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.01	AOAC 2018.10	175	0.23	0.23	0.23	0.23	1.5	0.1931	34	0.0246	0
Δ9-THC (%AR)	001.10	Other LC-UV	116	0.2396	0.237	0.234	0.237	1.78	0.1931	34	0.0246	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)	002.99	Other	215	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	161	<0.0500	<0.0500	<0.0500	<0.0500					1
Δ9-THCA (%AR)	002.10	Other LC-UV	197	<0.0761	<0.0735	<0.0739	<0.0761					1
Δ9-THCA (%AR)	002.30	Other LC-MS	102	0.015	0.008	0.014	0.0123	-3.75	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.60	NIR	187	0.033			0.033					1
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0522	0.0131	0	0.0327	-1.95	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	142	0.0391	0.0366	0.0366	0.0374	-1.53	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	225	0.0381	0.0411	0.0309	0.0367	-1.59	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	196	0.039	0.043	0.043	0.0417	-1.15	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	182	0.0399	0.0428	0.042	0.0416	-1.16	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199	0.05	0.048	0.053	0.0503	-0.39	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	191	0.0509	0.0501	0.0505	0.0505	-0.37	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	106	0.05	0.05	0.05	0.05	-0.41	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	103	0.052	0.0502	0.053	0.0517	-0.26	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	113	0.052	0.055	0.05	0.0523	-0.21	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	149	0.05	0.055	0.052	0.0523	-0.21	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0534	0.0536	0.053	0.0533	-0.12	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	163	0.0573	0.048	0.057	0.0541	-0.05	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	120	0.0513	0.0547	0.0571	0.0544	-0.03	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0518	0.0559	0.0552	0.0543	-0.03	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	184	0.0574	0.0547	0.0518	0.0546	0	0.0547	31	0.0113	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	144	0.054	0.0607	0.0531	0.0559	0.11	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	155	0.06	0.063	0.048	0.057	0.2	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	115	0.057	0.057	0.058	0.0573	0.23	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	217	0.0592	0.0599	0.0579	0.059	0.38	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	175	0.06	0.06	0.056	0.0587	0.35	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	148	0.062	0.057	0.06	0.0597	0.44	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	116	0.0612	0.0612	0.0647	0.0624	0.68	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	165	0.0618	0.0628	0.0633	0.0626	0.7	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.30	Other LC-MS	122	0.0633	0.063	0.0632	0.0632	0.75	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139	0.0594	0.0697	0.0624	0.0638	0.81	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.01	AOAC 2018.10	101	0.0721	0.067	0.067	0.0687	1.24	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.30	Other LC-MS	164	0.072	0.0767	0.0747	0.0745	1.75	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.10	Other LC-UV	141	0.0808	0.0722	0.076	0.0763	1.91	0.0547	31	0.0113	0
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	125	0.0779	0.086	0.0757	0.0799	2.23	0.0547	31	0.0113	0

CBD (%AR)

CBD (%AR)	003.60	NIR	187	2.938			2.94					1
CBD (%AR)	003.10	Other LC-UV	155	3.27	3.05	3.19	3.17	-3.25	4.0083	24	0.2583	0
CBD (%AR)	003.02	AOAC 2018.11, U	161	3.2904	3.5421	3.8506	3.56	-1.73	4.0083	24	0.2583	0
CBD (%AR)	003.02	AOAC 2018.11, U	103	3.922	3.634	3.552	3.7	-1.18	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	196	3.518	3.835	3.891	3.75	-1.01	4.0083	24	0.2583	0
CBD (%AR)	003.99	Other	215	3.7877	3.9167	3.7237	3.81	-0.77	4.0083	24	0.2583	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	189	3.8136	3.835	3.8103	3.82	-0.73	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	184	3.835	3.961	3.741	3.85	-0.63	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	149	3.723	3.893	4	3.87	-0.53	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	191	3.9807	3.782	3.8813	3.88	-0.49	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	106	3.87	3.95	3.99	3.94	-0.28	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	142	4.01	3.84	4	3.95	-0.23	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	192	4.1022	3.9098	4.1174	4.04	0.13	4.0083	24	0.2583	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	4.0775	3.991	4.048	4.04	0.12	4.0083	24	0.2583	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	4.0793	4.1068	3.969	4.05	0.17	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	170	4.0355	4.0782	4.0732	4.06	0.21	4.0083	24	0.2583	0
CBD (%AR)	003.02	AOAC 2018.11, U	125	4.18	4.11	4.05	4.11	0.41	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	163	4.3707	3.8473	4.188	4.14	0.49	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	113	4.21	4.01	4.28	4.17	0.61	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	141	3.8982	4.1217	4.6135	4.21	0.79	4.0083	24	0.2583	0
CBD (%AR)	003.30	Other LC-MS	164	4.1105	4.4819	4.0814	4.22	0.84	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	144	4.2567	4.4948	4.0768	4.28	1.04	4.0083	24	0.2583	0
CBD (%AR)	003.30	Other LC-MS	122	4.3079	4.2916	4.2997	4.3	1.13	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	197	4.2873	4.4167	4.4158	4.37	1.41	4.0083	24	0.2583	0
CBD (%AR)	003.10	Other LC-UV	116	4.6478	4.5219	4.7161	4.63	2.4	4.0083	24	0.2583	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	155	3.16	3.05	3.19	3.13	-2.19	4.1402	23	0.4597	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	3.63	3.43	3.53	3.53	-1.33	4.1402	23	0.4597	0
CBDA (%AR)	004.02	AOAC 2018.11, U	161	3.2496	3.5415	3.8714	3.55	-1.27	4.1402	23	0.4597	0
CBDA (%AR)	004.99	Other	215	3.6058	3.6978	3.4893	3.6	-1.18	4.1402	23	0.4597	0
CBDA (%AR)	004.60	NIR	187	3.72			3.72					1
CBDA (%AR)	004.10	Other LC-UV	189	3.7139	3.7278	3.7101	3.72	-0.92	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	196	3.543	3.805	3.873	3.74	-0.87	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	192	4.2178	3.787	3.6468	3.88	-0.56	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	106	3.94	3.92	3.99	3.95	-0.41	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	149	3.842	4.012	4.171	4.01	-0.29	4.1402	23	0.4597	0
CBDA (%AR)	004.02	AOAC 2018.11, U	103	4.234	4.083	3.873	4.06	-0.17	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	141	3.7813	4.0818	4.3628	4.08	-0.14	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	197	4.1766	4.3284	4.3005	4.27	0.28	4.1402	23	0.4597	0
CBDA (%AR)	004.02	AOAC 2018.11, U	125	4.05	4.47	4.43	4.32	0.38	4.1402	23	0.4597	0
CBDA (%AR)	004.02	AOAC 2018.11, U	199	4.3475	4.2705	4.3415	4.32	0.39	4.1402	23	0.4597	0
CBDA (%AR)	004.30	Other LC-MS	122	4.3419	4.3314	4.3376	4.34	0.43	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	144	4.3951	4.6211	4.0208	4.35	0.45	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	184	4.474	4.487	4.245	4.4	0.57	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	191	4.5924	4.3048	4.4486	4.45	0.67	4.1402	23	0.4597	0
CBDA (%AR)	004.03	AOAC 2018.11, M	139	4.5128	4.5543	4.3614	4.48	0.73	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	116	4.382	4.8312	4.4522	4.56	0.9	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	170	4.6995	4.4242	4.877	4.67	1.15	4.1402	23	0.4597	0
CBDA (%AR)	004.10	Other LC-UV	163	4.599	4.2647	5.198	4.69	1.19	4.1402	23	0.4597	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)	004.30	Other LC-MS	164	5.5904	6.0228	5.5937	5.74	3.47	4.1402	23	0.4597	0
CBN (%AR)												
CBN (%AR)	005.30	GC-FID	116	<0.0400	<0.0400	<0.0400	<0.0400					1
CBN (%AR)	005.10	Other LC-UV	197	<0.0761	<0.0735	<0.0739	<0.0761					1
CBN (%AR)	005.30	GC-FID	192	0.0216	0.0214	0.0233	0.0221	-1.15	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	142	0.0243	0.023	0.024	0.0238	-0.92	0.0306	16	0.0074	0
CBN (%AR)	005.02	AOAC 2018.11, U	199	0.024	0.023	0.0245	0.0238	-0.92	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	144	0.0231	0.0244	0.025	0.0242	-0.87	0.0306	16	0.0074	0
CBN (%AR)	005.30	GC-FID	138	<0.0200	0.0343	<0.0200	0.0248					1
CBN (%AR)	005.10	Other LC-UV	196	0.025	0.027	0.025	0.0257	-0.67	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	189	0.029	0.0261	0.0295	0.0282	-0.32	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	149	0.027	0.03	0.029	0.0287	-0.26	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	192	0.0307	0.0234	0.0333	0.0291	-0.2	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	106	0.03	0.03	0.03	0.03	-0.08	0.0306	16	0.0074	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.029	0.0293	0.0308	0.0297	-0.12	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	141	0.0236	0.0377	0.0328	0.0314	0.1	0.0306	16	0.0074	0
CBN (%AR)	005.20	Other LC-MS	122	0.0332	0.0327	0.0329	0.0329	0.32	0.0306	16	0.0074	0
CBN (%AR)	005.02	AOAC 2018.11, U	107	0.021	0.044	0.04	0.035	0.6	0.0306	16	0.0074	0
CBN (%AR)	005.10	Other LC-UV	116	0.0477	0.0548	0.0488	0.0504	2.68	0.0306	16	0.0074	0
CBN (%AR)	005.02	AOAC 2018.11, U	125	0.0508	0.0513	0.0484	0.0502	2.65	0.0306	16	0.0074	0
CBN (%AR)	005.30	GC-FID	163	0.065	0.0577	0.044	0.0556	3.38	0.0306	16	0.0074	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	0.0822	0.083	0.0853	0.0835	-4.57	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	192	0.123	0.1247	0.1298	0.126	-3.33	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	161	0.1529	0.1573	0.1676	0.159	-2.35	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.2071	0.1614	0.1415	0.17	-2.04	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	225	0.1765	0.1914	0.1489	0.172	-1.97	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	197	0.1919	0.1762	0.2089	0.192	-1.39	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	182	0.1958	0.199	0.1973	0.197	-1.24	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	155	0.223	0.2	0.217	0.213	-0.77	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	148	0.224	0.209	0.219	0.217	-0.65	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.60	NIR	187	0.218			0.218					1
Total Δ9-THC (%AR)	006.10	Other LC-UV	196	0.208	0.228	0.227	0.221	-0.55	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.213	0.231	0.226	0.223	-0.48	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	142	0.233	0.22	0.222	0.225	-0.43	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.2296	0.2449	0.2065	0.227	-0.37	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.2265	0.229	0.226	0.227	-0.37	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.2406	0.2276	0.2235	0.231	-0.27	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	153	0.2388	0.2403	0.2298	0.236	-0.1	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	114	0.2543	0.231	0.2354	0.24	0.02	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	116	0.249	0.2406	0.2366	0.242	0.07	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	191	0.2515	0.2384	0.2449	0.245	0.15	0.2397	39	0.0342	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)	006.02	AOAC 2018.11, U	120	0.2556	0.2317	0.2468	0.245	0.15	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	144	0.2352	0.2642	0.2419	0.247	0.22	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	115	0.26	0.24	0.24	0.247	0.2	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	107	0.241	0.221	0.282	0.248	0.24	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.2507	0.2542	0.2501	0.252	0.35	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	122	0.2574	0.2546	0.2562	0.256	0.48	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	217	0.2532	0.2628	0.2559	0.257	0.52	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	165	0.2473	0.2608	0.2675	0.259	0.55	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199	0.2609	0.2566	0.261	0.259	0.58	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	141	0.2491	0.2583	0.2717	0.26	0.59	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	190	0.262	0.26		0.261	0.62	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	163	0.2867	0.2053	0.293	0.262	0.64	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	170	0.2631	0.2511	0.2767	0.264	0.7	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	125	0.277	0.271	0.253	0.267	0.8	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.2528	0.2812	0.2703	0.268	0.83	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	101	0.2859	0.2683	0.2672	0.274	1	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.40	GC-FID	128	0.277	0.2781	0.2817	0.279	1.15	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.01	AOAC 2018.10	175	0.283	0.283	0.279	0.282	1.23	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	116	0.2933	0.2907	0.2908	0.292	1.52	0.2397	39	0.0342	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	164	0.284	0.3099	0.2886	0.294	1.6	0.2397	39	0.0342	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	4.7365	4.8413	4.8642	4.81	-3.3	7.488	25	0.8098	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	107	5.512	5.316	5.371	5.4	-2.58	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	155	6.04	5.79	6.2	6.01	-1.83	7.488	25	0.8098	0
Total CBD (%AR)	007.60	NIR	187	6.203			6.2					1
Total CBD (%AR)	007.40	GC-FID	170	6.5304	6.3469	6.7961	6.56	-1.15	7.488	25	0.8098	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	161	6.1403	6.648	7.2458	6.68	-1	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	196	6.625	7.172	7.287	7.03	-0.57	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	142	7.19	6.85	7.1	7.05	-0.55	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	189	7.0707	7.1043	7.0641	7.08	-0.5	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	192	7.8012	7.231	6.7433	7.26	-0.28	7.488	25	0.8098	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	103	7.6352	7.2148	6.9486	7.27	-0.27	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	149	7.092	7.411	7.658	7.39	-0.12	7.488	25	0.8098	0
Total CBD (%AR)	007.40	GC-FID	163	7.9657	6.6963	7.6497	7.44	-0.06	7.488	25	0.8098	0
Total CBD (%AR)	007.40	GC-FID	169	7.4102	7.4148	7.6802	7.5	0.02	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	191	8.008	7.557	7.782	7.78	0.36	7.488	25	0.8098	0
Total CBD (%AR)	007.40	GC-FID	116	8.0095	7.7115	7.6085	7.78	0.36	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	141	7.2144	7.7014	8.4397	7.79	0.37	7.488	25	0.8098	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	7.8903	7.7362	7.855	7.83	0.42	7.488	25	0.8098	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	125	7.74	8.03	7.93	7.9	0.51	7.488	25	0.8098	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	8.1009	8.1	7.7939	8	0.63	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	144	8.1121	8.5484	7.6038	8.09	0.74	7.488	25	0.8098	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)	007.30	Other LC-MS	122	8.1157	8.0745	8.1038	8.1	0.75	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	197	7.9502	8.2127	8.1873	8.12	0.78	7.488	25	0.8098	0
Total CBD (%AR)	007.40	GC-FID	138	8.5946	8.2748	8.4537	8.44	1.18	7.488	25	0.8098	0
Total CBD (%AR)	007.10	Other LC-UV	116	8.4908	8.7589	8.6207	8.62	1.4	7.488	25	0.8098	0
Total CBD (%AR)	007.30	Other LC-MS	164	9.0133	9.7639	8.9871	9.25	2.18	7.488	25	0.8098	0

CBDV (%AR)

CBDV (%AR)	008.99	Other	197	<0.0761	<0.0735	<0.0739	<0.0761					1
CBDV (%AR)	008.99	Other	189	0.0162	0.017	0.0164	0.0165					0
CBDV (%AR)	008.99	Other	196	0.0205	0.022	0.022	0.0215					0
CBDV (%AR)	008.99	Other	142	0.0303	0.0282	0.0306	0.0297					0
CBDV (%AR)	008.99	Other	106	0.06	0.05	0.06	0.0567					0

CBDVA (%AR)

CBDVA (%AR)	009.99	Other	197	<0.0761	<0.0735	<0.0739	<0.0761					1
CBDVA (%AR)	009.99	Other	142	0.0316	0.0298	0.0304	0.0306					0
CBDVA (%AR)	009.99	Other	196	0.029	0.032	0.032	0.031					0
CBDVA (%AR)	009.99	Other	149	0.079	0.098	0.083	0.0867					0

CBG (%AR)

CBG (%AR)	010.99	Other	197	0.1391	0.1422	0.1567	0.146	-1.55	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	196	0.165	0.159	0.156	0.16	-1.12	0.1963	10	0.0324	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	189	0.1888	0.1884	0.1883	0.189	-0.24	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	141	0.193	0.1949	0.1815	0.19	-0.2	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	142	0.196	0.187	0.196	0.193	-0.1	0.1963	10	0.0324	0
CBG (%AR)	010.02	AOAC 2018.11, U	103	0.194	0.197	0.197	0.196	-0.01	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	106	0.2	0.21	0.21	0.207	0.32	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	149	0.196	0.223	0.212	0.21	0.43	0.1963	10	0.0324	0
CBG (%AR)	010.02	AOAC 2018.11, U	125	0.237	0.232	0.209	0.226	0.92	0.1963	10	0.0324	0
CBG (%AR)	010.99	Other	155	0.294	0.291	0.312	0.299	3.17	0.1963	10	0.0324	0

CBGA (%AR)

CBGA (%AR)	011.99	Other	141	0.2181	0.2128	0.2197	0.217	-2.21	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	142	0.261	0.253	0.252	0.255	-0.75	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	106	0.26	0.26	0.26	0.26	-0.57	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	196	0.257	0.274	0.28	0.27	-0.18	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	197	0.2934	0.2676	0.269	0.277	0.06	0.275	9	0.0263	0
CBGA (%AR)	011.02	AOAC 2018.11, U	103	0.291	0.281	0.276	0.283	0.29	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	189	0.2845	0.2839	0.2881	0.285	0.4	0.275	9	0.0263	0
CBGA (%AR)	011.02	AOAC 2018.11, U	125	0.316	0.285	0.283	0.295	0.75	0.275	9	0.0263	0
CBGA (%AR)	011.99	Other	149	0.294	0.325	0.324	0.314	1.5	0.275	9	0.0263	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	<0.0761	<0.0735	<0.0739	<0.0761					1
THCV (%AR)	012.99	Other	189	<0.0050	0.005	0.0043	0.0048					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	<0.0761	<0.0735	<0.0739	<0.0761					1
Δ8-THC (%AR)	013.99	Other	189	0.0066	0.0068	0.008	0.0071					0

CBC (%AR)

CBC (%AR)	014.99	Other	155	0.205	0.19	0.196	0.197	-1.95	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	197	0.2132	0.2176	0.2118	0.214	-0.78	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	196	0.209	0.219	0.226	0.218	-0.53	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	149	0.216	0.234	0.233	0.228	0.13	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	189	0.2277	0.2291	0.2278	0.228	0.17	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	106	0.23	0.23	0.24	0.233	0.52	0.2257	8	0.0147	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	0.248	0.238	0.232	0.239	0.93	0.2257	8	0.0147	0
CBC (%AR)	014.99	Other	142	0.288	0.214	0.222	0.241	1.06	0.2257	8	0.0147	0

Cd (ug/g AR)

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	141	<0.2000	<0.2000	<0.2000	<0.2000					1
Cd (ug/g AR)	101.04	ICP-MS	196	0.113	0.127	0.128	0.123					0
Cd (ug/g AR)	101.04	ICP-MS	106	0.127	0.123	0.126	0.125					0
Cd (ug/g AR)	101.04	ICP-MS	102	0.1509	0.1583	0.1515	0.154					0
Cd (ug/g AR)	101.04	ICP-MS	142	0.158	0.156	0.157	0.157					0
Cd (ug/g AR)	101.04	ICP-MS	197	0.1662	0.1541	0.1654	0.162					0

As (ug/g AR)

As (ug/g AR)	102.04	ICP-MS	106	<0.0800	<0.0800	<0.0800	<0.0800					1
As (ug/g AR)	102.04	ICP-MS	197	<0.0977	<0.0982	<0.0958	<0.0977					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	162	<0.2000	<0.2000	<0.2000	<0.2000					1
As (ug/g AR)	102.04	ICP-MS	102	0.0507	0.0449	0.0448	0.0468					0
As (ug/g AR)	102.04	ICP-MS	196	0.0534	0.0531	0.0482	0.0516					0
As (ug/g AR)	102.04	ICP-MS	142	0.06	0.072	0.053	0.0617					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	<0.0800	<0.0800	<0.0800	<0.0800					1
Hg (ug/g AR)	103.04	ICP-MS	197	<0.0977	<0.0982	<0.0958	<0.0977					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	0.0049	0.0048	0.0051	0.0049					0
Hg (ug/g AR)	103.04	ICP-MS	142	0.0141	0.0146	0.0096	0.0128					0
			Pb (ug/g AR)									
Pb (ug/g AR)	104.04	ICP-MS	142	0.44	0.558	0.401	0.466	-1.36	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	197	0.5478	0.4964	0.4951	0.513	-0.44	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	102	0.4991	0.5221	0.5349	0.519	-0.33	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	162	0.5089	0.5797	0.5054	0.531	-0.09	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	196	0.519	0.571	0.567	0.552	0.33	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	106	0.545	0.574	0.548	0.556	0.39	0.5357	7	0.0511	0
Pb (ug/g AR)	104.04	ICP-MS	141	0.674	0.591	0.661	0.642	2.08	0.5357	7	0.0511	0
			Cu (ug/g AR)									
Cu (ug/g AR)	105.04	ICP-MS	196	9.13	9.59	9.07	9.26					0
Cu (ug/g AR)	105.04	ICP-MS	142	15.1	15.1	15.2	15.1					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	0.823	0.889	0.864	0.859					0
Ni (ug/g AR)	106.04	ICP-MS	142	0.861	0.909	0.938	0.903					0
Ni (ug/g AR)	106.04	ICP-MS	141	1.11	1.15	1.12	1.13					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	0.479	0.481	0.511	0.49					0
Cr (ug/g AR)	107.04	ICP-MS	196	0.645	0.601	0.575	0.607					0
			Se (ug/g AR)									
Se (ug/g AR)	108.04	ICP-MS	196	<0.0960	<0.0960	<0.0960	<0.0960					1
Se (ug/g AR)	108.04	ICP-MS	197	<0.0977	<0.0982	<0.0958	<0.0977					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	0.052	0.0481	0.043	0.0477					0
			Ag (ug/g AR)									
Ag (ug/g AR)	109.04	ICP-MS	142	0.0154	0.013	0.0117	0.0134					0
			Ba (ug/g AR)									
Ba (ug/g AR)	110.04	ICP-MS	142	0.1505	0.124	0.1164	0.13					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	53.7	58.5	57.9	56.7					0
Zn (ug/g AR)	111.04	ICP-MS	141	67	71.4	67	68.5					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	0.0279	0.0324	0.0257	0.0287					0
(-)-alpha-Bisabolol (%A	201.01	GC,FID	142	0.096	0.0929	0.0941	0.0943					0
(-)-alpha-Bisabolol (%A	201.02	GC,MS	196	0.1063	0.0978	0.0954	0.0998					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	0.0396	0.0432	0.0403	0.041					0
beta-Caryophyllene (%)	202.01	GC,FID	142	0.0559	0.0531	0.0505	0.0532					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	0.0222	0.021	0.0212	0.0215					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	0.0172	0.0183	0.0151	0.0169					0
alpha-Humulene (%AR)	205.01	GC,FID	142	0.0301	0.0283	0.0284	0.0289					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	0.0015	0.0018	0.0015	0.0016					0
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	5.93	5.94	5.61	5.83	-1.92	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	142	7.3	7.5	6.9	7.23	-1.08	9.0509	16	1.6775	0
Moisture (%AR)	500.70	Commerc. Anal.	189	7.227	7.227	7.227	7.23	-1.09	9.0509	16	1.6775	0
Moisture (%AR)	500.70	Commerc. Anal.	116	7.61	7.61	7.52	7.58	-0.88	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	103	7.65	7.76	7.7	7.7	-0.8	9.0509	16	1.6775	0
Moisture (%AR)	500.72	NIR	138	8.7	8.6	8.5	8.6	-0.27	9.0509	16	1.6775	0
Moisture (%AR)	500.72	NIR	187	8.75			8.75					1
Moisture (%AR)	500.70	Commerc. Anal.	106	8.89	8.9	8.7	8.83	-0.13	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	120	9.6294	9.1444	9.1953	9.32	0.16	9.0509	16	1.6775	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)	500.70	Commerc. Anal.	182	9.23	9.38	9.7	9.44	0.23	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	215	9.2709	9.7721	9.6912	9.58	0.31	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	165	9.702	9.4699	9.7603	9.64	0.35	9.0509	16	1.6775	0
Moisture (%AR)	500.99	Other	102	9.8	9.7	9.5	9.67	0.37	9.0509	16	1.6775	0
Moisture (%AR)	500.50	AOAC 930.15	210	10.85	10.27	9.71	10.3	0.73	9.0509	16	1.6775	0
Moisture (%AR)	500.70	Commerc. Anal.	162	10.48	9.71	10.89	10.4	0.78	9.0509	16	1.6775	0
Moisture (%AR)	500.50	AOAC 930.15	192	10.9406	11.5734	11.2471	11.3	1.31	9.0509	16	1.6775	0
Moisture (%AR)	500.50	AOAC 930.15	199	12.2594	12.4358	12.0523	12.2	1.91	9.0509	16	1.6775	0

Δ9-THC (%DW)

Δ9-THC (%DW)	501.02	AOAC 2018.11, U	103	0.2112	0.1973	0.1918	0.2	-1.18	0.2284	10	0.024	0
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.207	0.203	0.203	0.204	-1	0.2284	10	0.024	0
Δ9-THC (%DW)	501.60	NIR	187	0.205			0.205					1
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	120	0.2331	0.2019	0.2166	0.217	-0.47	0.2284	10	0.024	0
Δ9-THC (%DW)	501.10	Other LC-UV	162	0.2143	0.2127	0.2303	0.219	-0.39	0.2284	10	0.024	0
Δ9-THC (%DW)	501.10	Other LC-UV	189	0.2197	0.2234	0.2195	0.221	-0.31	0.2284	10	0.024	0
Δ9-THC (%DW)	501.10	Other LC-UV	165	0.2138	0.2272	0.2349	0.225	-0.13	0.2284	10	0.024	0
Δ9-THC (%DW)	501.99	Other	215	0.2316	0.2285	0.2319	0.231	0.1	0.2284	10	0.024	0
Δ9-THC (%DW)	501.02	AOAC 2018.11, U	199	0.2473	0.245	0.2439	0.245	0.71	0.2284	10	0.024	0
Δ9-THC (%DW)	501.10	Other LC-UV	116	0.2593	0.2565	0.2532	0.256	1.17	0.2284	10	0.024	0
Δ9-THC (%DW)	501.30	Other LC-MS	102	0.306	0.334	0.322	0.321	3.85	0.2284	10	0.024	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	0.033			0.033					1
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210	0.055	0.058	0.055	0.056	-0.87	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	103	0.0563	0.0564	0.0574	0.0567	-0.77	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.10	Other LC-UV	189	0.0576	0.0578	0.0572	0.0575	-0.65	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	199	0.057	0.0548	0.0603	0.0574	-0.68	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.02	AOAC 2018.11, U	120	0.0568	0.0601	0.0629	0.0599	-0.31	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.10	Other LC-UV	162	0.0603	0.064	0.0621	0.0621	0	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.10	Other LC-UV	116	0.0662	0.0662	0.0701	0.0675	0.77	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.10	Other LC-UV	165	0.0684	0.0693	0.0701	0.0693	1.02	0.0621	9	0.007	0
Δ9-THCA (%DW)	502.30	Other LC-MS	102	0.316	0.021	0.062	0.133	10.11	0.0621	9	0.007	0
			CBD (%DW)									
CBD (%DW)	503.60	NIR	187	3.22			3.22					1
CBD (%DW)	503.02	AOAC 2018.11, U	103	4.2469	3.9397	3.8483	4.01	-0.98	4.3257	7	0.3194	0
CBD (%DW)	503.10	Other LC-UV	189	4.1107	4.1338	4.1071	4.12	-0.65	4.3257	7	0.3194	0
CBD (%DW)	503.99	Other	215	4.1848	4.3273	4.095	4.2	-0.39	4.3257	7	0.3194	0
CBD (%DW)	503.10	Other LC-UV	162	4.303	4.2779	4.0606	4.21	-0.35	4.3257	7	0.3194	0
CBD (%DW)	503.01	AOAC 2018.10	210	4.331	4.323	4.329	4.33	0.01	4.3257	7	0.3194	0
CBD (%DW)	503.02	AOAC 2018.11, U	199	4.6472	4.5578	4.6027	4.6	0.87	4.3257	7	0.3194	0
CBD (%DW)	503.10	Other LC-UV	116	5.0295	4.8928	5.1029	5.01	2.14	4.3257	7	0.3194	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)	504.99	Other	215	3.9839	4.0855	3.7994	3.96	-1.07	4.484	7	0.4942	0
CBDA (%DW)	504.10	Other LC-UV	189	4.0032	4.0182	3.9991	4.01	-0.97	4.484	7	0.4942	0
CBDA (%DW)	504.60	NIR	187	4.078			4.08					1
CBDA (%DW)	504.10	Other LC-UV	162	4.3718	4.3016	4.0969	4.26	-0.46	4.484	7	0.4942	0
CBDA (%DW)	504.02	AOAC 2018.11, U	103	4.5847	4.4265	4.1961	4.4	-0.16	4.484	7	0.4942	0
CBDA (%DW)	504.01	AOAC 2018.10	210	4.982	4.851	4.908	4.91	0.87	4.484	7	0.4942	0
CBDA (%DW)	504.02	AOAC 2018.11, U	199	4.9549	4.877	4.9365	4.92	0.89	4.484	7	0.4942	0
CBDA (%DW)	504.10	Other LC-UV	116	4.7419	5.2274	4.8174	4.93	0.9	4.484	7	0.4942	0
			CBN (%DW)									
CBN (%DW)	505.01	AOAC 2018.10	210	<0.0230	<0.0240	<0.0230	<0.0230					1
CBN (%DW)	505.02	AOAC 2018.11, U	199	0.0274	0.0263	0.0279	0.0272	-1.18	0.0322	6	0.0043	0
CBN (%DW)	505.10	Other LC-UV	189	0.0312	0.0281	0.0318	0.0304	-0.44	0.0322	6	0.0043	0
CBN (%DW)	505.10	Other LC-UV	162	0.0316	0.0306	0.0324	0.0315	-0.16	0.0322	6	0.0043	0
CBN (%DW)	505.10	Other LC-UV	192	0.0344	0.0265	0.0376	0.0328	0.14	0.0322	6	0.0043	0
CBN (%DW)	505.30	GC-FID	116	0.0289	0.0355	0.034	0.0328	0.13	0.0322	6	0.0043	0
CBN (%DW)	505.10	Other LC-UV	116	0.0516	0.0593	0.0528	0.0546	5.23	0.0322	6	0.0043	0
			Total Δ9-THC (%DW)									
Total Δ9-THC (%DW)	506.10	Other LC-UV	192	0.2325	0.1826	0.1836	0.2	-1.86	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	182	0.2157	0.2196	0.2168	0.217	-1.36	0.2661	14	0.0358	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)	506.60	NIR	187	0.234			0.234					1
Total Δ9-THC (%DW)	506.40	GC-FID	138	0.2478	0.2505	0.2472	0.249	-0.49	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	103	0.2605	0.2468	0.2421	0.25	-0.46	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.40	GC-FID	153	0.2539	0.2555	0.2435	0.251	-0.42	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.255	0.254	0.251	0.253	-0.36	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.40	GC-FID	116	0.2694	0.2603	0.256	0.262	-0.12	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	120	0.2829	0.2546	0.2717	0.27	0.1	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	189	0.2702	0.274	0.2696	0.271	0.14	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	162	0.2671	0.2689	0.2847	0.274	0.21	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	165	0.2739	0.2881	0.2964	0.286	0.56	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.02	AOAC 2018.11, U	199	0.2973	0.293	0.2967	0.296	0.83	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.10	Other LC-UV	116	0.3174	0.3145	0.3146	0.315	1.38	0.2661	14	0.0358	0
Total Δ9-THC (%DW)	506.30	Other LC-MS	102	0.363	0.353	0.376	0.364	2.74	0.2661	14	0.0358	0

Total CBD (%DW)

Total CBD (%DW)	507.60	NIR	187	6.793			6.79					1
Total CBD (%DW)	507.10	Other LC-UV	189	7.6215	7.6578	7.6143	7.63	-1.25	8.4897	9	0.6851	0
Total CBD (%DW)	507.02	AOAC 2018.11, U	103	8.2677	7.8218	7.5283	7.87	-0.9	8.4897	9	0.6851	0
Total CBD (%DW)	507.10	Other LC-UV	162	8.137	8.0504	7.6536	7.95	-0.79	8.4897	9	0.6851	0
Total CBD (%DW)	507.10	Other LC-UV	192	8.7595	8.1774	8.2731	8.4	-0.13	8.4897	9	0.6851	0
Total CBD (%DW)	507.40	GC-FID	116	8.6665	8.344	8.2325	8.41	-0.11	8.4897	9	0.6851	0
Total CBD (%DW)	507.01	AOAC 2018.10	210	8.7	8.577	8.633	8.64	0.21	8.4897	9	0.6851	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	8.9927	8.8349	8.932	8.92	0.63	8.4897	9	0.6851	0
Total CBD (%DW)	507.40	GC-FID	138	9.4033	9.0534	9.2962	9.25	1.11	8.4897	9	0.6851	0
Total CBD (%DW)	507.10	Other LC-UV	116	9.1882	9.4772	9.3278	9.33	1.23	8.4897	9	0.6851	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	<0.0260	<0.0260	<0.0260	<0.0260					1
CBDV (%DW)	508.99	Other	189	0.0175	0.0183	0.0177	0.0178					0

CBDVA (%DW)

CBDVA (%DW)	509.01	AOAC 2018.10	210	0.08	0.079	0.078	0.079					0
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CBG (%DW)

CBG (%DW)	510.01	AOAC 2018.10	210	0.201	0.193	0.199	0.198					0
CBG (%DW)	510.99	Other	189	0.2035	0.203	0.203	0.203					0
CBG (%DW)	510.99	Other	162	0.1965	0.2139	0.201	0.204					0
CBG (%DW)	510.02	AOAC 2018.11, U	103	0.2101	0.2136	0.2134	0.212					0

CBGA (%DW)

CBGA (%DW)	511.01	AOAC 2018.10	210	0.104	0.136	0.129	0.123					0
CBGA (%DW)	511.02	AOAC 2018.11, U	103	0.3151	0.3046	0.299	0.306					0
CBGA (%DW)	511.99	Other	189	0.3066	0.3061	0.3105	0.308					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	0.3498	0.3626	0.3337	0.349					0
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0260	<0.0260	<0.0260	<0.0260					1
THCV (%DW)	512.99	Other	189	0	0.0054	0.0046	0.005					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	0.0072	0.0074	0.0086	0.0077					0
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.022	0.02	0.018	0.02					0
CBC (%DW)												
CBC (%DW)	514.02	AOAC 2018.11, U	210	0.238	0.232	0.237	0.236					0
CBC (%DW)	514.99	Other	162	0.2407	0.2536	0.2337	0.243					0
CBC (%DW)	514.99	Other	189	0.2455	0.247	0.2456	0.246					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.