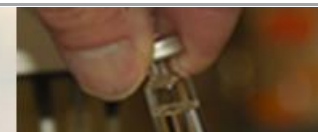
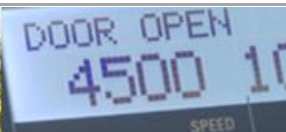


Hemp Proficiency Testing

Summary Statistics

HM23SEP-1 (hemp)



Sample: HM23SEP-1 (hemp)

Summary Statistics

Issue Date: November 1, 2023

By Analyte

Analyte	Code	Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
		Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
Δ9-THC (%AR)	001	0.1931	34	0.0246	12.7	5.11	3.95	0	12.1
Δ9-THCA (%AR)	002	0.0547	31	0.0113	20.7	6.17	4.48	0	30.7
CBD (%AR)	003	4.0083	24	0.2583	6.44	3.24	3.12	0.19	8.69
CBDA (%AR)	004	4.1402	23	0.4597	11.1	3.22	4.01	0.12	10.1
CBN (%AR)	005	0.0306	16	0.0074	24.1	6.73	7.61	0	35.1
Total Δ9-THC (%AR)	006	0.2397	39	0.0342	14.3	4.94	4	0.51	19.8
Total CBD (%AR)	007	7.488	25	0.8098	10.8	2.95	3.34	0.26	8.89
CBG (%AR)	010	0.1963	10	0.0324	16.5	5.09	3.65	0.14	6.61
CBGA (%AR)	011	0.275	9	0.0263	9.55	4.84	3.18	0	6.28
CBC (%AR)	014	0.2257	8	0.0147	6.51	4.99	3.29	0.34	16.8
Pb (ug/g AR)	104	0.5357	7	0.0511	9.53	17.45	6.14	2.87	17.5
Moisture (%AR)	500	9.0509	16	1.6775	18.5	2.87	2.29	0	5.78
Δ9-THC (%DW)	501	0.2284	10	0.024	10.5	4.98	3.03	0.71	7.19

Δ9-THCA (%DW)	502	0.0621	9	0.007	11.3	6.05	3.21	0.53	120
CBD (%DW)	503	4.3257	7	0.3194	7.38	3.2	2.09	0.1	5.21
CBDA (%DW)	504	4.484	7	0.4942	11	3.19	2.74	0.25	5.3
CBN (%DW)	505	0.0322	6	0.0043	13.2	6.68	7.9	2.86	17.4
Total Δ9-THC (%DW)	506	0.2661	14	0.0358	13.4	4.87	2.51	0.52	14.3
Total CBD (%DW)	507	8.4897	9	0.6851	8.07	2.9	2.2	0.31	4.73

By Method Group

Analyte	Code	Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
		Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
CBN (%AR)	LC	0.0299	14	0.0055	18.3	6.76	5.99	0	35.1
Total Δ9-THC (%AR)	GC	0.2446	10	0.0243	9.94	4.93	4.16	0.71	18.7
Total Δ9-THC (%AR)	LC	0.2375	29	0.0388	16.4	4.95	3.98	0.51	19.8
Total CBD (%AR)	GC	7.1695	6	1.245	17.4	2.97	2.73	1.41	8.89
Total CBD (%AR)	LC	7.5508	19	0.7676	10.2	2.95	3.48	0.26	8.29
Total Δ9-THC (%DW)	LC	0.2703	11	0.0444	16.4	4.86	2.72	0.52	14.3
Total CBD (%DW)	LC	8.3917	7	0.6971	8.31	2.9	2.16	0.31	4.73

By Method

Analyte	Code		Trueness (Lab Value)				Horwitz %RSD	Precision (Lab RSDr)		
			Rob Mean	n	Rob StDev	%RSD		Rob Mean	min	max
Δ9-THC (%AR)	001.10	Other LC-UV	0.1897	20	0.022	11.6	5.12	4.36	0.32	12.1

Sample: HM23SEP-1 (hemp)**Summary Statistics****Issue Date: November 1, 2023**

Δ9-THCA (%AR)	002.10	Other LC-UV	0.0515	19	0.0102	19.8	6.23	4.56	0	14.3
CBD (%AR)	003.10	Other LC-UV	4.0229	16	0.2538	6.31	3.24	3.13	0.35	8.69
CBDA (%AR)	004.10	Other LC-UV	4.1134	15	0.4607	11.2	3.23	4.25	0.25	10.1
CBN (%AR)	005.10	Other LC-UV	0.0283	9	0.0038	13.5	6.81	7.4	0	22.8
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, UV	0.2422	6	0.0258	10.6	4.94	4.74	0.97	12.5
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.228	15	0.0388	17	4.98	4.46	0.51	19.8
Total Δ9-THC (%AR)	006.40	GC-FID	0.2446	10	0.0243	9.94	4.93	4.16	0.71	18.7
Total CBD (%AR)	007.10	Other LC-UV	7.508	11	0.6906	9.2	2.95	3.86	0.3	7.92
Total CBD (%AR)	007.40	GC-FID	7.1695	6	1.245	17.4	2.97	2.73	1.41	8.89
CBG (%AR)	010.99	Other	0.1922	8	0.0342	17.8	5.11	3.62	0.14	6.45
CBGA (%AR)	011.99	Other	0.2687	7	0.0333	12.4	4.86	2.81	0	5.6
CBC (%AR)	014.99	Other	0.2232	7	0.0155	6.96	5	3.37	0.34	16.8
Pb (ug/g AR)	104.04	ICP-MS	0.5357	7	0.0511	9.53	17.45	6.14	2.87	17.5
Moisture (%AR)	500.70	Commerc. Anal.	8.2101	6	1.8671	22.7	2.91	2.25	0	5.78
Moisture (%AR)	500.99	Other	8.8581	6	1.2401	14	2.88	2.3	0.71	4.22
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.2606	6	0.0495	19	4.88	2.87	0.52	14.3

1. Data summarized for trueness and precision if 6 or more Lab values and 6 or more Lab RSDr values were available.

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