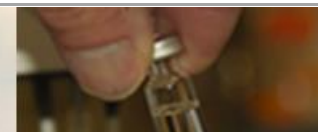
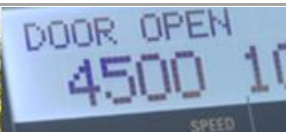


Hemp Proficiency Testing

Summary Statistics

HM23NOV-1 (hemp)



Sample: HM23NOV-1 (hemp)

Summary Statistics

Issue Date: January 7, 2024

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	0.242	29	0.0287	11.9	4.94	2.75	0.16	9.74
Δ9-THCA (%AR)	002	0.0575	27	0.0084	14.7	6.13	6.37	0.18	15.9
CBD (%AR)	003	4.5039	19	0.4213	9.35	3.18	2.81	0.19	5.69
CBDA (%AR)	004	4.9957	19	0.7378	14.8	3.14	2.92	0.33	10
CBN (%AR)	005	0.0302	13	0.0049	16.4	6.75	11.1	1.6	25.3
Total Δ9-THC (%AR)	006	0.29	36	0.0321	11.1	4.8	3.71	0.36	10.4
Total CBD (%AR)	007	8.6497	22	1.3228	15.3	2.89	2.71	0.33	5.79
CBG (%AR)	010	0.2153	8	0.0628	29.2	5.02	3.28	0.14	7.51
CBGA (%AR)	011	0.2511	7	0.0289	11.5	4.91	3.28	1.19	8.75
CBC (%AR)	014	0.2767	7	0.0209	7.56	4.84	4.16	1.31	10.3
Pb (ug/g AR)	104	0.3507	6	0.0228	6.51	18.59	7.97	2.09	17.1
Moisture (%AR)	500	7.4121	16	2.2234	30	2.95	3.82	0	13.2
Δ9-THC (%DW)	501	0.2693	9	0.031	11.5	4.86	1.72	0.62	3.3

Sample: HM23NOV-1 (hemp)		Summary Statistics					Issue Date:	January 7, 2024	
Δ9-THCA (%DW)	502	0.0621	8	0.0062	9.98	6.05	4.46	0.17	14.5
CBD (%DW)	503	4.8945	7	0.358	7.31	3.14	2.59	0.34	5.7
CBDA (%DW)	504	5.401	7	0.6308	11.7	3.1	1.84	0.33	5.01
Total Δ9-THC (%DW)	506	0.3107	14	0.0362	11.7	4.76	2.4	0.54	11.6
Total CBD (%DW)	507	9.6502	10	1.2614	13.1	2.84	2.07	0.33	4.89

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	0.0289	10	0.0037	13	6.79	10.66	1.6	25
Total Δ9-THC (%AR)	GC	0.2912	10	0.0201	6.89	4.8	3.73	2.04	6.87
Total Δ9-THC (%AR)	LC	0.29	26	0.0364	12.5	4.8	3.82	0.36	10.4
Total CBD (%AR)	GC	8.8245	6	1.7849	20.2	2.88	2.27	0.96	4.87
Total CBD (%AR)	LC	8.5466	16	1.1713	13.7	2.89	2.86	0.33	5.79
Total Δ9-THC (%DW)	LC	0.3075	11	0.0432	14	4.76	2.62	0.54	11.6
Total CBD (%DW)	LC	9.3069	8	1.2765	13.7	2.86	2.22	0.33	4.89

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	0.2376	16	0.0278	11.7	4.95	4.04	0.25	9.74
Δ9-THCA (%AR)	002.10	Other LC-UV	0.0551	15	0.009	16.4	6.16	6.64	0.18	14.4

Sample: HM23NOV-1 (hemp)**Summary Statistics****Issue Date:****January 7, 2024**

CBD (%AR)	003.10	Other LC-UV	4.5613	12	0.3572	7.83	3.18	2.83	0.34	5.69
CBDA (%AR)	004.10	Other LC-UV	4.9883	12	0.7695	15.4	3.14	3.07	0.33	10
CBN (%AR)	005.10	Other LC-UV	0.0294	6	0.0038	13	6.77	8.71	1.6	19.6
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.2759	13	0.0387	14	4.84	4.21	0.54	10.1
Total Δ9-THC (%AR)	006.40	GC-FID	0.2912	10	0.0201	6.89	4.8	3.73	2.04	6.87
Total CBD (%AR)	007.10	Other LC-UV	8.4297	9	1.1279	13.4	2.9	3.07	0.33	5.32
Total CBD (%AR)	007.40	GC-FID	8.8245	6	1.7849	20.2	2.88	2.27	0.96	4.87
CBG (%AR)	010.99	Other	0.214	6	0.073	34.1	5.03	2.59	0.14	5.41
CBC (%AR)	014.99	Other	0.2715	6	0.0152	5.59	4.85	4.63	1.62	10.3
Pb (ug/g AR)	104.04	ICP-MS	0.3507	6	0.0228	6.51	18.59	7.97	2.09	17.1
Moisture (%AR)	500.70	Commerc. Anal.	6.5987	7	2.5184	38.2	3.01	3.32	0	13.2
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.2993	7	0.0627	21	4.78	2.58	0.54	6.85

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.