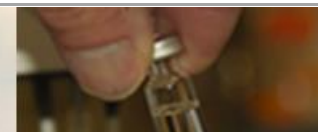
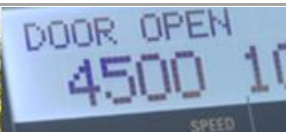


Hemp Proficiency Testing

Summary Statistics

HM24NOV-1 (hemp)



Sample: HM24NOV-1 (hemp)

Summary Statistics

Issue Date: December 21, 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	0.2258	31	0.031	13.7	4.99	4.01	0.68	9.23
Δ9-THCA (%AR)	002	0.0668	28	0.0108	16.2	5.99	4.8	0	26.9
CBD (%AR)	003	4.88	24	0.4733	9.7	3.15	3.02	0.7	12.6
CBDA (%AR)	004	4.4971	23	0.3355	7.46	3.18	3.84	0.09	12.8
CBN (%AR)	005	0.0419	19	0.0103	24.7	6.42	7.7	0	52
Total Δ9-THC (%AR)	006	0.2879	36	0.0445	15.4	4.81	3.97	0.49	9.74
Total CBD (%AR)	007	8.942	23	0.6569	7.35	2.87	2.79	0.43	12.2
CBDV (%AR)	008	0.043	6	0.019	44.1	6.4	6.05	3.06	10.8
CBG (%AR)	010	0.1709	9	0.034	19.9	5.2	5.98	1.39	28.7
CBGA (%AR)	011	0.1927	10	0.0236	12.2	5.11	4.82	0.2	9.53
CBC (%AR)	014	0.2344	8	0.0216	9.23	4.96	4.42	0.92	9.42
Cd (ug/g AR)	101	0.212	8	0.015	7.05	20.05	3.9	1.6	7.3
As (ug/g AR)	102	0.0983	7	0.0156	15.9	22.5	6.24	2.36	13.1

Sample: HM24NOV-1 (hemp)		Summary Statistics					Issue Date: February 3, 2025		
Pb (ug/g AR)	104	0.2716	8	0.0254	9.34	19.32	8.41	2.42	18.5
Moisture (%AR)	500	7.4957	15	2.0879	27.9	2.95	3.59	0	18.2
Δ9-THC (%DW)	501	0.2552	8	0.0108	4.22	4.9	3.75	0.7	8.69
Δ9-THCA (%DW)	502	0.0713	8	0.0085	12	5.93	4.94	1.21	13.2
CBD (%DW)	503	5.4244	6	0.2138	3.94	3.1	2.4	0.7	4.92
CBDA (%DW)	504	4.8461	7	0.7013	14.5	3.15	3.21	1.02	5.53
CBN (%DW)	505	0.0441	6	0.0106	24	6.37	7.2	1.19	11.2
Total Δ9-THC (%DW)	506	0.3026	14	0.0343	11.3	4.77	3.77	1.02	8.97
Total CBD (%DW)	507	9.6589	10	0.8796	9.11	2.84	2.64	0.56	33.3

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	0.0406	15	0.0084	20.6	6.45	7.23	0	39.8
Total Δ9-THC (%AR)	GC	0.3045	10	0.0604	19.9	4.77	3.12	0.49	9.1
Total Δ9-THC (%AR)	LC	0.2826	26	0.0407	14.4	4.82	4.3	1.01	9.74
Total CBD (%AR)	GC	9.0109	6	1.3252	14.7	2.87	1.57	0.43	3.45
Total CBD (%AR)	LC	8.8721	17	0.4885	5.51	2.88	3.64	0.72	12.2
Total Δ9-THC (%DW)	LC	0.3037	10	0.0344	11.3	4.77	3.92	1.02	7.35
Total CBD (%DW)	LC	9.54	7	0.4979	5.22	2.85	3.14	0.84	33.3

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	0.2227	17	0.0337	15.1	5	3.39	0.68	6.22
Δ9-THCA (%AR)	002.10	Other LC-UV	0.0646	16	0.0112	17.4	6.02	3.94	0	9.09
CBD (%AR)	003.10	Other LC-UV	4.9304	15	0.4017	8.15	3.14	2.95	0.7	7.75
CBDA (%AR)	004.10	Other LC-UV	4.4885	15	0.2941	6.55	3.19	3.68	0.83	7.76
CBN (%AR)	005.10	Other LC-UV	0.0398	11	0.0084	21.1	6.47	6.1	0	15.3
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.2694	13	0.0556	20.6	4.86	3.9	1.01	6.78
Total Δ9-THC (%AR)	006.40	GC-FID	0.3034	9	0.0665	21.9	4.77	3.01	0.49	9.1
Total CBD (%AR)	007.10	Other LC-UV	8.8179	10	0.3476	3.94	2.88	3.35	0.84	7.39
Total CBD (%AR)	007.40	GC-FID	9.0109	6	1.3252	14.7	2.87	1.57	0.43	3.45
CBG (%AR)	010.99	Other	0.1638	7	0.0323	19.7	5.23	5.78	1.39	28.7
CBGA (%AR)	011.99	Other	0.1858	8	0.0166	8.92	5.14	4.68	0.2	9.53
CBC (%AR)	014.99	Other	0.232	6	0.0249	10.7	4.97	5.07	2.37	9.42
Cd (ug/g AR)	101.04	ICP-MS	0.212	8	0.015	7.05	20.05	3.9	1.6	7.3
As (ug/g AR)	102.04	ICP-MS	0.0983	7	0.0156	15.9	22.5	6.24	2.36	13.1
Pb (ug/g AR)	104.04	ICP-MS	0.2716	8	0.0254	9.34	19.32	8.41	2.42	18.5
Moisture (%AR)	500.70	Commerc. Anal.	6.8946	8	2.4688	35.8	2.99	4.13	0	18.2
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.296	6	0.0613	20.7	4.79	4.56	1.02	7.35

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.