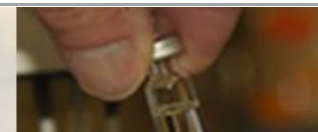
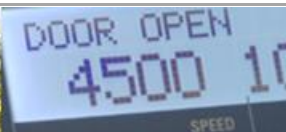


Hemp Proficiency Testing

Summary Statistics

HM23SEP-2 (hemp)



Sample: HM23SEP-2 (hemp)

Summary Statistics

Issue Date: November 2, 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	0.1769	34	0.0216	12.2	5.17	3.63	0.43	11.9
Δ9-THCA (%AR)	002	0.0432	31	0.0105	24.3	6.39	4.85	0	23.2
CBD (%AR)	003	3.6958	24	0.295	7.98	3.28	2.31	0.33	7.47
CBDA (%AR)	004	3.2454	23	0.352	10.8	3.34	3.31	0.05	11.7
CBN (%AR)	005	0.0446	18	0.0093	20.8	6.36	5.76	0.84	27.1
Total Δ9-THC (%AR)	006	0.2139	39	0.0329	15.4	5.03	3.71	0.49	23.9
Total CBD (%AR)	007	6.4206	25	0.6903	10.8	3.02	2.48	0.2	8.77
CBG (%AR)	010	0.306	10	0.0447	14.6	4.77	3.53	0.23	5.13
CBGA (%AR)	011	0.3436	9	0.0299	8.72	4.68	2.72	0	7.57
CBC (%AR)	014	0.2129	8	0.0171	8.03	5.03	2.3	0.54	4.18
Pb (ug/g AR)	104	0.757	7	0.1183	15.6	16.56	6.3	3.02	14.6
Moisture (%AR)	500	8.8131	16	1.5964	18.1	2.88	2.73	0	8.41
Δ9-THC (%DW)	501	0.2084	10	0.0283	13.6	5.05	1.99	0.48	4.79

Δ9-THCA (%DW)	502	0.0473	9	0.008	17	6.31	2.87	0.57	56.9
CBD (%DW)	503	4	7	0.4141	10.4	3.24	2.24	0.74	6.67
CBDA (%DW)	504	3.5892	7	0.5281	14.7	3.29	3.78	0.66	45
CBN (%DW)	505	0.0466	7	0.0056	12.1	6.32	3.53	0.78	16.9
Total Δ9-THC (%DW)	506	0.2333	14	0.0383	16.4	4.96	2.69	0.28	14.1
Total CBD (%DW)	507	7.2851	9	0.6585	9.04	2.96	2.4	0.51	8.49

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	0.0442	14	0.0098	22.1	6.37	5.85	0.84	27.1
Total Δ9-THC (%AR)	GC	0.2191	10	0.0239	10.9	5.01	4.09	1.44	23.9
Total Δ9-THC (%AR)	LC	0.2121	29	0.0362	17.1	5.04	3.59	0.49	23.6
Total CBD (%AR)	GC	6.1322	6	1.0892	17.8	3.04	1.94	0.66	8.45
Total CBD (%AR)	LC	6.4775	19	0.6459	9.97	3.02	2.63	0.2	8.77
CBN (%DW)	LC	0.0461	6	0.0059	12.8	6.33	2.65	0.78	16.9
Total Δ9-THC (%DW)	LC	0.2356	11	0.046	19.5	4.96	2.2	0.28	14.1
Total CBD (%DW)	LC	7.176	7	0.7005	9.76	2.97	3.09	0.51	8.49

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	0.175	20	0.0178	10.2	5.18	3.81	0.43	11.9
Δ9-THCA (%AR)	002.10	Other LC-UV	0.0406	19	0.0109	26.8	6.45	5.18	0	23.2
CBD (%AR)	003.10	Other LC-UV	3.707	16	0.3512	9.47	3.28	2.36	0.33	7.47
CBDA (%AR)	004.10	Other LC-UV	3.2036	15	0.3517	11	3.35	3.14	0.05	11.7
CBN (%AR)	005.10	Other LC-UV	0.0426	9	0.0119	28.1	6.41	5.88	0.84	17.4
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, UV	0.2134	6	0.0297	13.9	5.03	3.95	0.49	23.6
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.2065	15	0.0392	19	5.06	3.03	0.49	14.5
Total Δ9-THC (%AR)	006.40	GC-FID	0.2191	10	0.0239	10.9	5.01	4.09	1.44	23.9
Total CBD (%AR)	007.10	Other LC-UV	6.4328	11	0.6185	9.61	3.02	2.45	0.2	8.77
Total CBD (%AR)	007.40	GC-FID	6.1322	6	1.0892	17.8	3.04	1.94	0.66	8.45
CBG (%AR)	010.99	Other	0.3026	8	0.0477	15.8	4.77	3.63	0.23	5.13
CBGA (%AR)	011.99	Other	0.3391	7	0.0325	9.58	4.69	1.68	0	7.57
CBC (%AR)	014.99	Other	0.2103	7	0.0172	8.2	5.04	2.3	0.54	4.18
Pb (ug/g AR)	104.04	ICP-MS	0.757	7	0.1183	15.6	16.56	6.3	3.02	14.6
Moisture (%AR)	500.70	Commerc. Anal.	8.2783	6	1.9037	23	2.91	2.2	0	4.91
Moisture (%AR)	500.99	Other	8.5178	6	1.3064	15.3	2.89	3.16	1.54	8.41
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.2233	6	0.0484	21.7	5	2.17	0.5	14.1

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.