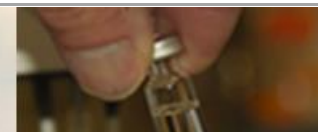
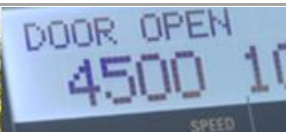


Hemp Proficiency Testing

Summary Statistics

HM24SEP-2 (hemp)



Sample: HM24SEP-2 (hemp)

Summary Statistics

Issue Date: November 11, 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	0.1367	32	0.022	16.1	5.38	2.9	0	86.6
Δ9-THCA (%AR)	002	0.0325	23	0.0092	28.4	6.67	10.31	0.66	173
CBD (%AR)	003	4.6033	25	0.4465	9.7	3.17	2.29	0	8.4
CBDA (%AR)	004	2.7468	22	0.3669	13.4	3.43	2.76	0.1	11.7
CBN (%AR)	005	0.062	19	0.0115	18.5	6.06	3.73	0	86.8
Total Δ9-THC (%AR)	006	0.1666	38	0.0245	14.7	5.22	4.25	0	14.8
Total CBD (%AR)	007	7.2794	24	0.9634	13.2	2.96	2.94	0.09	9.41
CBDV (%AR)	008	0.0354	6	0.0085	24.1	6.59	6.55	2.49	11.4
CBG (%AR)	010	0.1856	11	0.0437	23.5	5.14	3.95	0.37	13.9
CBGA (%AR)	011	0.1339	8	0.0245	18.3	5.4	3.31	0	11.6
Δ8-THC (%AR)	013	0.0847	6	0.1097	130	5.78	1.72	0	4.76
CBC (%AR)	014	0.2077	10	0.0275	13.2	5.05	2.56	0.26	6.47
Cd (ug/g AR)	101	0.1686	7	0.0177	10.5	20.75	2.65	1.57	11.2

As (ug/g AR)	102	0.2592	8	0.0156	6.03	19.45	7.62	2.28	15.1
Pb (ug/g AR)	104	0.8486	8	0.0886	10.4	16.28	4.97	0.31	8.62
Moisture (%AR)	500	7.9314	15	1.6965	21.4	2.93	3.2	0	9.78
Δ9-THC (%DW)	501	0.1514	8	0.0189	12.5	5.3	1.15	0.32	2.06
Δ9-THCA (%DW)	502	0.0312	7	0.0059	19	6.71	5.13	1.76	30.4
CBD (%DW)	503	5.0397	6	0.2792	5.54	3.13	1.45	0.09	2.2
CBDA (%DW)	504	3.0906	7	0.3556	11.5	3.37	0.95	0.1	2.35
CBN (%DW)	505	0.0702	7	0.0101	14.4	5.94	3.39	0.74	86.8
Total Δ9-THC (%DW)	506	0.1728	14	0.019	11	5.19	4.19	0	13.7
Total CBD (%DW)	507	8.0646	10	0.8679	10.8	2.92	2.64	0.09	9.25

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	0.0583	14	0.0084	14.5	6.11	3.09	0	86.8
Total Δ9-THC (%AR)	GC	0.164	10	0.0246	15	5.23	5.99	1.8	9.3
Total Δ9-THC (%AR)	LC	0.1671	27	0.0267	16	5.22	3.75	0	14.8
Total CBD (%AR)	GC	7.6794	7	0.9713	12.6	2.94	3.45	1.02	6.7
Total CBD (%AR)	LC	7.0698	17	0.8265	11.7	2.98	2.73	0.09	9.41
Total Δ9-THC (%DW)	LC	0.1737	10	0.0257	14.8	5.19	2.54	0	13.7
Total CBD (%DW)	LC	7.8395	7	0.6691	8.53	2.93	1.49	0.09	9.25

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	0.1334	18	0.0198	14.9	5.4	2.83	0.17	86.6
Δ9-THCA (%AR)	002.10	Other LC-UV	0.031	13	0.0117	37.9	6.72	8.96	1.79	173
CBD (%AR)	003.10	Other LC-UV	4.6493	16	0.4925	10.6	3.17	2.49	0	8.4
CBDA (%AR)	004.10	Other LC-UV	2.7139	15	0.3486	12.8	3.44	2.41	0.1	11.7
CBN (%AR)	005.10	Other LC-UV	0.0579	10	0.0086	14.9	6.12	1.97	0	86.8
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.16	15	0.029	18.1	5.25	3.32	0.24	14.8
Total Δ9-THC (%AR)	006.40	GC-FID	0.1618	9	0.0249	15.4	5.24	5.64	1.8	9.3
Total CBD (%AR)	007.10	Other LC-UV	6.9739	11	0.8871	12.7	2.98	2.81	0.09	9.41
Total CBD (%AR)	007.40	GC-FID	7.4976	6	0.8805	11.7	2.95	3.57	1.02	6.7
CBG (%AR)	010.99	Other	0.1769	9	0.039	22.1	5.17	5.45	0.37	13.9
CBGA (%AR)	011.99	Other	0.1322	6	0.0298	22.6	5.41	3.98	0	11.6
CBC (%AR)	014.99	Other	0.2014	8	0.0237	11.8	5.07	2.62	0.26	6.47
Cd (ug/g AR)	101.04	ICP-MS	0.1686	7	0.0177	10.5	20.75	2.65	1.57	11.2
As (ug/g AR)	102.04	ICP-MS	0.2592	8	0.0156	6.03	19.45	7.62	2.28	15.1
Pb (ug/g AR)	104.04	ICP-MS	0.8486	8	0.0886	10.4	16.28	4.97	0.31	8.62
Moisture (%AR)	500.70	Commerc. Anal.	7.7373	8	1.9559	25.3	2.94	4.34	0	9.78
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.1801	6	0.0139	7.73	5.16	5.14	0.68	13.7

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.