

Hemp Proficiency Testing

Summary Statistics

HM25SEP-2 (Hemp)



Sample: HM25SEP-2 (Hemp)

Summary Statistics

Issue Date: December 3, 2025

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	0.1051	30	0.0156	14.8	5.59	5.15	0.11	19.8
Δ9-THCA (%AR)	002	0.015	17	0.0106	70.5	7.49	6.22	0.99	50.5
CBD (%AR)	003	5.1861	22	0.6609	12.7	3.12	2.18	0	14.6
CBDA (%AR)	004	1.6541	21	0.2895	17.5	3.7	2.61	0.02	18.7
CBN (%AR)	005	0.0921	20	0.014	15.2	5.71	3.37	0.79	11.3
Total Δ9-THC (%AR)	006	0.1197	32	0.0213	17.8	5.49	3.88	0.48	14.3
Total CBD (%AR)	007	6.8552	24	0.9247	13.5	2.99	2.08	0.01	14.8
CBDV (%AR)	008	0.0503	7	0.0101	20.2	6.25	2.49	1.02	9.33
CBG (%AR)	010	0.2831	9	0.0481	17	4.82	3.6	0.83	10.2
CBGA (%AR)	011	0.1474	9	0.0291	19.7	5.32	2.21	0.53	9.14
CBC (%AR)	014	0.2268	9	0.0346	15.3	4.99	1.99	0.79	8.24
Cd (ug/g AR)	101	0.1785	6	0.0203	11.4	20.57	4.39	1.4	9.09
Pb (ug/g AR)	104	0.3581	7	0.1268	35.4	18.53	16.84	3.27	54

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Moisture (%AR)	500	7.0132	13	1.5842	22.6	2.98	2.05	0	5.86
Δ9-THC (%DW)	501	0.1163	9	0.0114	9.77	5.51	2.88	0.62	7.55
CBD (%DW)	503	5.6349	7	0.5959	10.6	3.08	0.86	0.14	2.8
CBDA (%DW)	504	1.7538	7	0.3247	18.5	3.67	1.15	0.14	3.36
CBN (%DW)	505	0.0977	9	0.0135	13.8	5.66	2.2	0.75	6.76
Total Δ9-THC (%DW)	506	0.1254	13	0.0128	10.2	5.45	3.3	0.94	11.8
Total CBD (%DW)	507	7.1971	10	1.0484	14.6	2.97	1.28	0.12	5.57

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	0.0882	16	0.0104	11.8	5.74	3.72	0.79	11.3
Total Δ9-THC (%AR)	GC	0.1385	10	0.0338	24.4	5.37	2.92	1.06	14.3
Total Δ9-THC (%AR)	LC	0.1134	22	0.0165	14.5	5.53	4.47	0.48	11.8
Total CBD (%AR)	GC	7.5873	7	0.5424	7.15	2.94	1.92	0.86	5.65
Total CBD (%AR)	LC	6.5267	17	0.8813	13.5	3.01	2.13	0.01	14.8
CBN (%DW)	LC	0.0948	7	0.0119	12.6	5.68	2.28	0.75	6.76
Total Δ9-THC (%DW)	LC	0.1262	10	0.0149	11.8	5.44	3.81	0.94	11.8
Total CBD (%DW)	LC	6.9766	8	1.0218	14.6	2.98	1.11	0.12	2.32

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	0.1047	17	0.014	13.4	5.6	5.56	0.61	19.8
Δ9-THCA (%AR)	002.10	Other LC-UV	0.0165	10	0.0114	69.1	7.39	6.36	1.28	50.5
CBD (%AR)	003.10	Other LC-UV	5.2588	16	0.6843	13	3.11	1.78	0.14	10.3
CBDA (%AR)	004.10	Other LC-UV	1.6337	15	0.316	19.3	3.71	2.21	0.1	6.7
CBN (%AR)	005.10	Other LC-UV	0.0881	12	0.0139	15.8	5.75	3.39	0.79	10.5
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.1138	12	0.0133	11.7	5.53	4.77	1.29	11.8
Total Δ9-THC (%AR)	006.40	GC-FID	0.1335	8	0.0306	22.9	5.4	2.52	1.06	6.28
Total CBD (%AR)	007.10	Other LC-UV	6.5471	11	0.9895	15.1	3.01	1.64	0.12	3.39
Total CBD (%AR)	007.40	GC-FID	7.5055	6	0.53	7.06	2.95	1.68	0.86	5.65
CBDV (%AR)	008.99	Other	0.0515	6	0.0205	39.7	6.23	2.65	1.02	9.33
CBG (%AR)	010.99	Other	0.2809	7	0.0507	18	4.83	4.42	0.83	10.2
CBGA (%AR)	011.99	Other	0.141	7	0.0328	23.3	5.35	2.62	0.53	9.14
CBC (%AR)	014.99	Other	0.2223	7	0.0337	15.2	5	2.23	0.79	8.24
Pb (ug/g AR)	104.04	ICP-MS	0.3264	6	0.0919	28.2	18.79	12.58	3.27	26.4
Moisture (%AR)	500.70	Commerc. Anal.	6.5079	6	1.3803	21.2	3.01	1.88	0	5.86
Δ9-THC (%DW)	501.10	Other LC-UV	0.1136	6	0.0079	6.99	5.53	3.71	0.62	7.55
CBN (%DW)	505.10	Other LC-UV	0.0938	6	0.0126	13.4	5.69	2.55	0.75	6.76
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.1255	7	0.0136	10.8	5.45	5	1.27	11.8
Total CBD (%DW)	507.10	Other LC-UV	6.6408	6	0.8679	13.1	3	1	0.12	2.01

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.