

Hemp Proficiency Testing

Summary Statistics

HM25SEP-1 (Hemp)



Sample: HM25SEP-1 (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	0.2144	30	0.025	11.6	5.03	2.85	0.07	11.8
Δ9-THCA (%AR)	002	0.0329	22	0.008	24.3	6.66	5.33	0	28.8
CBD (%AR)	003	5.6342	22	0.6652	11.8	3.08	2.29	0.01	11.9
CBDA (%AR)	004	2.6623	22	0.4247	16	3.45	2.61	0.01	9.23
CBN (%AR)	005	0.062	20	0.0069	11.1	6.06	5.62	0	24.3
Total Δ9-THC (%AR)	006	0.2459	32	0.0309	12.5	4.93	3.21	0.1	14.3
Total CBD (%AR)	007	8.2087	24	0.925	11.3	2.91	2.56	0.01	10.5
CBDV (%AR)	008	0.0508	7	0.0097	19	6.24	4.36	0.16	11.4
CBG (%AR)	010	0.1727	8	0.025	14.5	5.19	2.3	0.66	8.22
CBGA (%AR)	011	0.135	9	0.0278	20.6	5.39	2.28	0.3	13.8
CBC (%AR)	014	0.2367	9	0.0355	15	4.95	1.97	0.7	4.38
Cd (ug/g AR)	101	0.1795	6	0.0196	10.9	20.56	5.03	1.64	16.9
Pb (ug/g AR)	104	0.252	7	0.0446	17.7	19.54	10.4	2.82	25

Moisture (%AR)	500	7.1667	13	1.7021	23.8	2.97	3.35	0	11.7
Δ9-THC (%DW)	501	0.2312	9	0.025	10.8	4.97	2.23	0.64	4.81
Δ9-THCA (%DW)	502	0.0341	6	0.0131	38.3	6.62	6.77	0.25	23.1
CBD (%DW)	503	6.277	7	0.5901	9.4	3.03	2.09	0.02	10.2
CBDA (%DW)	504	2.8198	7	0.4042	14.3	3.42	1.91	0.19	3.36
CBN (%DW)	505	0.0676	9	0.007	10.4	5.98	6.66	0.18	24.1
Total Δ9-THC (%DW)	506	0.2538	13	0.0338	13.3	4.9	3.15	0.63	11.6
Total CBD (%DW)	507	8.6171	10	1.2644	14.7	2.89	3.25	0.2	10.1

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	0.0601	16	0.0053	8.82	6.08	6.07	0	24.3
Total Δ9-THC (%AR)	GC	0.2651	10	0.043	16.2	4.87	4.19	1.83	14.3
Total Δ9-THC (%AR)	LC	0.2398	22	0.0309	12.9	4.94	2.66	0.1	11.9
Total CBD (%AR)	GC	8.9363	7	0.4407	4.93	2.87	2.71	0.24	4.66
Total CBD (%AR)	LC	7.8662	17	0.9396	11.9	2.93	2.6	0.01	10.5
CBN (%DW)	LC	0.0666	7	0.0071	10.7	5.99	7.23	0.18	24.1
Total Δ9-THC (%DW)	LC	0.2486	10	0.0423	17	4.92	2.99	0.63	11.6
Total CBD (%DW)	LC	8.414	8	1.3227	15.7	2.9	3.3	0.2	10.1

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	0.2158	17	0.0238	11	5.02	2.73	0.59	11.8
Δ9-THCA (%AR)	002.10	Other LC-UV	0.0351	13	0.0124	35.2	6.6	4.55	0	23.2
CBD (%AR)	003.10	Other LC-UV	5.7329	16	0.6663	11.6	3.07	1.84	0.21	11.9
CBDA (%AR)	004.10	Other LC-UV	2.6294	16	0.5334	20.3	3.45	2.24	0.19	7.96
CBN (%AR)	005.10	Other LC-UV	0.0599	12	0.0064	10.7	6.09	5.97	0	24.3
Total Δ9-THC (%AR)	006.10	Other LC-UV	0.236	12	0.0369	15.6	4.96	2.33	0.1	11.9
Total Δ9-THC (%AR)	006.40	GC-FID	0.2611	8	0.0373	14.3	4.88	3.95	1.83	14.3
Total CBD (%AR)	007.10	Other LC-UV	7.881	11	1.1391	14.5	2.93	1.76	0.2	10.5
Total CBD (%AR)	007.40	GC-FID	8.8847	6	0.4521	5.09	2.88	2.73	0.24	4.66
CBDV (%AR)	008.99	Other	0.0515	6	0.0124	24.1	6.23	5.07	0.16	11.4
CBG (%AR)	010.99	Other	0.1744	6	0.024	13.8	5.19	2.86	0.66	8.22
CBGA (%AR)	011.99	Other	0.1284	7	0.0299	23.3	5.43	2.86	0.3	13.8
CBC (%AR)	014.99	Other	0.2317	7	0.0338	14.6	4.97	2.05	0.7	4.38
Pb (ug/g AR)	104.04	ICP-MS	0.2409	6	0.0323	13.4	19.67	7.62	2.82	19
Moisture (%AR)	500.70	Commerc. Anal.	6.5757	6	1.5972	24.3	3.01	4.48	0	11.7
Δ9-THC (%DW)	501.10	Other LC-UV	0.2266	6	0.0271	12	4.99	2.59	0.64	4.81
CBN (%DW)	505.10	Other LC-UV	0.0657	6	0.0072	11	6	7.99	0.18	24.1
Total Δ9-THC (%DW)	506.10	Other LC-UV	0.2426	7	0.0486	20	4.93	3.84	0.63	11.6
Total CBD (%DW)	507.10	Other LC-UV	8.0136	6	1.1975	14.9	2.92	2.46	0.2	10.1

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.