

Hemp Proficiency Testing

All Labs Trueness

OL25NOV-1 (Oli)



Sample: OL25NOV-1 (Oli)

All Labs Trueness

Issue Date: January 27, 2026

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.0235	0.0216	0.0234	0.0228	-3.29	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.035	0.0311	0.0298	0.032	-1.84	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.0395	0.0387	0.0396	0.0393	-0.68	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.046	0.04	0.042	0.0427	-0.14	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.045	0.045	0.044	0.0447	0.17	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.045	0.0444	0.0451	0.0448	0.2	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.047	0.044	0.0479	0.0463	0.43	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0475	0.0447	0.0449	0.0457	0.34	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0575	0.0445	0.0437	0.0486	0.79	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.05	0.05	0.047	0.049	0.86	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.05	0.05	0.05	0.05	1.02	0.0436	11	0.0063	0
Δ9-THC (%AR)	001.10	Other LC-UV	204	0.1587			0.159					1
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199		<0.0500		na					1
Δ9-THC (%AR)	001.10	Other LC-UV	173		<0.1490		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ9-THCA (%AR)									
Δ9-THCA (%AR)	002.30	Other LC-MS	190	0.0001	0.0001	0.0001	0.0001					0
Δ9-THCA (%AR)	002.10	Other LC-UV	173	0	0	0	0					2
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0031	0.0032	0.0032	0.0032					0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0383	0.0283	0.0269	0.0312					0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0662	0.0666	0.066	0.0663					0
Δ9-THCA (%AR)	002.30	Other LC-MS	102		<0.0196		na					1
Δ9-THCA (%AR)	002.10	Other LC-UV	106		<0.0300		na					1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199		<0.0500		na					1
Δ9-THCA (%AR)	002.10	Other LC-UV	183		<0.0010		na					1
Δ9-THCA (%AR)	002.10	Other LC-UV	162		<0.0100		na					1
Δ9-THCA (%AR)	002.10	Other LC-UV	184		<0.0400		na					1
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139		<0.0125		na					1
			CBD (%AR)									
CBD (%AR)	003.10	Other LC-UV	189	0.8037	0.7967	0.7945	0.798	-2.31	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	183	0.92	0.912	0.908	0.913	-0.72	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	149	0.919	0.918	0.913	0.917	-0.68	0.9658	11	0.0725	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	0.957	0.943	0.9395	0.947	-0.27	0.9658	11	0.0725	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	0.9856	0.9062	0.963	0.952	-0.2	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	106	0.96	0.96	0.94	0.953	-0.17	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	184	0.9496	0.97	0.941	0.954	-0.17	0.9658	11	0.0725	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBD (%AR)	003.10	Other LC-UV	204	0.9935	0.9958	0.9988	0.996	0.42	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	173	0.996	1.007	0.998	1	0.48	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	162	1.0693	1.0686	1.0451	1.06	1.31	0.9658	11	0.0725	0
CBD (%AR)	003.10	Other LC-UV	192	1.1625	1.143	1.0258	1.11	2	0.9658	11	0.0725	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	173	0	0	0	0					2
CBDA (%AR)	004.10	Other LC-UV	183	0.003	0.003	0.003	0.003					0
CBDA (%AR)	004.30	Other LC-MS	190	0.005	0.005	0.005	0.005					0
CBDA (%AR)	004.10	Other LC-UV	189	0.0069	0.0071	0.008	0.0073					0
CBDA (%AR)	004.10	Other LC-UV	192	0	0.0123	0.0095	0.0109					0
CBDA (%AR)	004.03	AOAC 2018.11, M	139		<0.0125		na					1
CBDA (%AR)	004.02	AOAC 2018.11, U	199		<0.0500		na					1
CBDA (%AR)	004.10	Other LC-UV	162		<0.0100		na					1
CBDA (%AR)	004.10	Other LC-UV	184		<0.0400		na					1
CBDA (%AR)	004.10	Other LC-UV	106		<0.0300		na					1

CBN (%AR)

CBN (%AR)	005.10	Other LC-UV	183	0.007	0.006	0.006	0.0063	-0.86	0.0087	6	0.0028	0
CBN (%AR)	005.20	Other LC-MS	190	0.007	0.007	0.008	0.0073	-0.49	0.0087	6	0.0028	0
CBN (%AR)	005.10	Other LC-UV	189	0.0075	0.0073	0.0077	0.0075	-0.43	0.0087	6	0.0028	0
CBN (%AR)	005.10	Other LC-UV	192	0.0103	0.0052	0.0079	0.0078	-0.32	0.0087	6	0.0028	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0096	0.0104	0.0111	0.0104	0.61	0.0087	6	0.0028	0
CBN (%AR)	005.30	GC-FID	138	0.0203	0.0206	0.0206	0.0205	4.29	0.0087	6	0.0028	0
CBN (%AR)	005.10	Other LC-UV	162		<0.0100		na					1
CBN (%AR)	005.10	Other LC-UV	106		<0.0300		na					1
CBN (%AR)	005.02	AOAC 2018.11, U	199		<0.0500		na					1
CBN (%AR)	005.10	Other LC-UV	173		<0.1490		na					1

Total Δ9-THC (%AR)

Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.0235	0.0216	0.0234	0.0228	-1.11	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.0298	0.0306	0.0302	0.0302	-0.75	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.035	0.0311	0.0298	0.032	-0.67	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0354	0.0351	0.0353	0.0353	-0.5	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.046	0.04	0.042	0.0427	-0.14	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.045	0.045	0.044	0.0447	-0.05	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.0477	0.0473	0.0478	0.0476	0.1	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.05	ow_type	0.047	0.0485	0.14	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.0911	0.0694	0.0673	0.0759	1.48	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	204	0.1587			0.159					1
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.3713	0.3563	0.3634	0.364	15.54	0.0456	10	0.0205	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199		<0.0500		na					1
Total Δ9-THC (%AR)	006.10	Other LC-UV	173		<0.1490		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Total CBD (%AR)									
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	0.0986	0.0906	0.0963	0.0952	-7.06	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	189	0.8097	0.803	0.8015	0.805	-1.23	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	183	0.923	0.915	0.911	0.916	-0.31	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	149	0.919	0.918	0.913	0.917	-0.31	0.9541	10	0.1216	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	0.957	0.943	0.9395	0.947	-0.06	0.9541	10	0.1216	0
Total CBD (%AR)	007.40	GC-FID	138	0.995	0.995	0.999	0.996	0.35	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	173	0.996	1.007	0.998	1	0.38	0.9541	10	0.1216	0
Total CBD (%AR)	007.40	GC-FID	169	0.9954	1.0404	0.997	1.01	0.47	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	162	1.0693	1.0686	1.0451	1.06	0.88	0.9541	10	0.1216	0
Total CBD (%AR)	007.10	Other LC-UV	192	1.1625	1.1538	1.0341	1.12	1.34	0.9541	10	0.1216	0
			CBDV (%AR)									
CBDV (%AR)	008.99	Other	173	0	0	0	0					2
CBDV (%AR)	008.99	Other	189	0.0072	0.0073	0.0073	0.0073					0
CBDV (%AR)	008.99	Other	162	0.0128	0.0126	0.0123	0.0126					0
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.014	0.014	0.014	0.014					0
CBDV (%AR)	008.99	Other	106	<0.0300			na					1
			CBDVA (%AR)									
CBDVA (%AR)	009.99	Other	173	0	0	0	0					2
CBDVA (%AR)	009.02	AOAC 2018.11, U	183	<0.0010			na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBG (%AR)												
CBG (%AR)	010.99	Other	162	0.0232	0.0227	0.0234	0.0231					0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.027	0.027	0.026	0.0267					0
CBG (%AR)	010.99	Other	106		<0.0300	0.03	0.03					1
CBG (%AR)	010.99	Other	189	0.0391	0.041	0.0411	0.0404					0
CBG (%AR)	010.99	Other	173		<0.1490		na					1
CBGA (%AR)												
CBGA (%AR)	011.99	Other	173	0	0	0	0					2
CBGA (%AR)	011.99	Other	189	0.002	0.0019	0.0021	0.002					0
CBGA (%AR)	011.99	Other	162		<0.0100		na					1
CBGA (%AR)	011.99	Other	106		<0.0300		na					1
CBGA (%AR)	011.02	AOAC 2018.11, U	183		<0.0010		na					1
THCV (%AR)												
THCV (%AR)	012.99	Other	173	0	0	0	0					2
THCV (%AR)	012.99	Other	189	0.0026	0.0022	0.0021	0.0023					0
THCV (%AR)	012.99	Other	106		<0.0300		na					1
THCV (%AR)	012.02	AOAC 2018.11, U	183		<0.0010		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
			Δ8-THC (%AR)									
Δ8-THC (%AR)	013.99	Other	189	0.2517	0.2496	0.2507	0.251	-2.74	0.2891	9	0.014	0
Δ8-THC (%AR)	013.99	Other	106	0.28	0.28	0.28	0.28	-0.65	0.2891	9	0.014	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	183	0.287	0.283	0.281	0.284	-0.39	0.2891	9	0.014	0
Δ8-THC (%AR)	013.01	AOAC 2018.10	149	0.288	0.282	0.282	0.284	-0.36	0.2891	9	0.014	0
Δ8-THC (%AR)	013.99	Other	204	0.3019	0.264	0.2908	0.286	-0.25	0.2891	9	0.014	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.298	0.291	0.294	0.294	0.37	0.2891	9	0.014	0
Δ8-THC (%AR)	013.99	Other	138	0.2914	0.3011	0.3021	0.298	0.65	0.2891	9	0.014	0
Δ8-THC (%AR)	013.99	Other	162	0.2955	0.2979	0.3001	0.298	0.63	0.2891	9	0.014	0
Δ8-THC (%AR)	013.99	Other	173	0.345	0.324	0.328	0.332	3.09	0.2891	9	0.014	0
			CBC (%AR)									
CBC (%AR)	014.99	Other	162	0.0198	0.0209	0.0211	0.0206					0
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.022	0.021	0.022	0.0217					0
CBC (%AR)	014.99	Other	189	0.029	0.0289	0.0352	0.031					0
CBC (%AR)	014.99	Other	106		<0.0300		na					1
CBC (%AR)	014.99	Other	173		<0.1490		na					1
			Cd (ug/g AR)									
Cd (ug/g AR)	101.04	ICP-MS	102	0.1768	0.1878	0.1989	0.188					0
Cd (ug/g AR)	101.04	ICP-MS	183		<0.0020		na					1
Cd (ug/g AR)	101.04	ICP-MS	106		<0.0830		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Cd (ug/g AR)	101.04	ICP-MS	162		<0.2000		na					1
As (ug/g AR)												
As (ug/g AR)	102.04	ICP-MS	102	0.0485	0.0507	0.0547	0.0513					0
As (ug/g AR)	102.04	ICP-MS	162		<0.2000		na					1
As (ug/g AR)	102.04	ICP-MS	106		<0.0830		na					1
As (ug/g AR)	102.04	ICP-MS	183		<0.0020		na					1
Hg (ug/g AR)												
Hg (ug/g AR)	103.99	Other	102		<0.0001		na					1
Hg (ug/g AR)	103.04	ICP-MS	162		<0.1000		na					1
Hg (ug/g AR)	103.04	ICP-MS	106		<0.0080		na					1
Hg (ug/g AR)	103.04	ICP-MS	183		<0.0050		na					1
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	106		<0.0830		na					1
Pb (ug/g AR)	104.04	ICP-MS	162		<0.2000		na					1
Pb (ug/g AR)	104.04	ICP-MS	183		<0.0020		na					1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183		<0.0100	0.0102	0.0101					1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162		<0.0080		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	183		<0.0100		na					1
beta-Caryophyllene (%)	202.02	GC,MS	162		<0.0080		na					1
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	183		<0.0020		na					1
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	183		<0.0020		na					1
Geraniol (%AR)	204.02	GC,MS	162		<0.0080		na					1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	162		<0.0080		na					1
alpha-Humulene (%AR)	205.02	GC,MS	183		<0.0100		na					1
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	162		<0.0080		na					1
d-Limonene (%AR)	206.02	GC,MS	183		<0.0020		na					1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	162		<0.0080		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Linalool (%AR)	207.02	GC,MS	183		<0.0020		na					1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	183		<0.0020		na					1
beta-Myrcene (%AR)	208.02	GC,MS	162		<0.0080		na					1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	183		<0.0020		na					1
Ocimene (%AR)	210.02	GC,MS	162		<0.0030		na					1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	183		<0.0020		na					1
alpha-Pinene (%AR)	211.02	GC,MS	162		<0.0080		na					1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	183		<0.0020		na					1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162		<0.0080		na					1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	183		<0.0020		na					1
alpha-Terpinene (%AR)	213.02	GC,MS	162		<0.0080		na					1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	162		<0.0080		na					1
gamma-Terpinene (%A	214.02	GC,MS	183		<0.0020		na					1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	183		<0.0020		na					1
alpha-Terpinolene (%A	215.02	GC,MS	162		<0.0080		na					1
Δ9-THC (%DW)												
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.029	0.027	0.029	0.0283					0
Δ9-THCA (%DW)												
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210		<0.0240		na					1
CBD (%DW)												
CBD (%DW)	503.01	AOAC 2018.10	210	0.979	0.99	0.985	0.985					0
CBDA (%DW)												
CBDA (%DW)	504.01	AOAC 2018.10	210		<0.0240		na					1
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.05	0.047	0.048	0.0483					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
Total CBD (%DW)												
Total CBD (%DW)	507.01	AOAC 2018.10	210	1	1.011	1.027	1.01					0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0220			na					1
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	<0.0240			na					1
CBG (%DW)												
CBG (%DW)	510.01	AOAC 2018.10	210	<0.0220			na					1
CBGA (%DW)												
CBGA (%DW)	511.01	AOAC 2018.10	210	<0.0240			na					1
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0220			na					1
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.305	0.302	0.306	0.304					0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab Value	Z score	Population of Lab Values			Flag
									Rob Mean	n	Rob StDev	
CBC (%DW)												
CBC (%DW)	514.01	AOAC 2018.10	210		<0.0220		na					1

1. Flag definitions: 1 (Lab Value not used because there were less than 2 numeric lab results), 2 (Lab Value not used because there were less than 2 numeric lab results greater than 0).
2. Robust statistics performed to determine robust mean and Z scores only if there were 6 or more numeric lab values.
3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.