

Hemp Proficiency Testing

All Labs Precision

OL25NOV-1 (Oli)



Sample: OL25NOV-1 (Oli)

All Labs Precision

Issue Date: January 27, 2026

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ9-THC (%AR)									
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	199	<0.0500								1
Δ9-THC (%AR)	001.10	Other LC-UV	204	0.1587								1
Δ9-THC (%AR)	001.10	Other LC-UV	173	<0.1490								1
Δ9-THC (%AR)	001.10	Other LC-UV	106	0.05	0.05	0.05	0	0	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	189	0.045	0.0444	0.0451	0.84	0.13	4.05	0	16	0
Δ9-THC (%AR)	001.30	Other LC-MS	190	0.0395	0.0387	0.0396	1.26	0.19	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	183	0.045	0.045	0.044	1.29	0.2	4.05	0	16	0
Δ9-THC (%AR)	001.03	AOAC 2018.11, M	139	0.0475	0.0447	0.0449	3.42	0.54	4.05	0	16	0
Δ9-THC (%AR)	001.30	Other LC-MS	102	0.05	0.05	0.047	3.53	0.56	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	162	0.0235	0.0216	0.0234	4.68	0.67	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	184	0.047	0.044	0.0479	4.41	0.7	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	149	0.046	0.04	0.042	7.16	1.12	4.05	0	16	0
Δ9-THC (%AR)	001.02	AOAC 2018.11, U	103	0.035	0.0311	0.0298	8.47	1.27	4.05	0	16	0
Δ9-THC (%AR)	001.10	Other LC-UV	192	0.0575	0.0445	0.0437	16	2.54	4.05	0	16	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ9-THCA (%AR)									
Δ9-THCA (%AR)	002.10	Other LC-UV	173	0	0	0						1
Δ9-THCA (%AR)	002.10	Other LC-UV	106		<0.0300							1
Δ9-THCA (%AR)	002.10	Other LC-UV	162		<0.0100							1
Δ9-THCA (%AR)	002.10	Other LC-UV	183		<0.0010							1
Δ9-THCA (%AR)	002.03	AOAC 2018.11, M	139		<0.0125							1
Δ9-THCA (%AR)	002.02	AOAC 2018.11, U	199		<0.0500							1
Δ9-THCA (%AR)	002.30	Other LC-MS	102		<0.0196							1
Δ9-THCA (%AR)	002.10	Other LC-UV	184		<0.0400							1
Δ9-THCA (%AR)	002.30	Other LC-MS	190	0.0001	0.0001	0.0001	0	0				0
Δ9-THCA (%AR)	002.10	Other LC-UV	170	0.0662	0.0666	0.066	0.46	0.08				0
Δ9-THCA (%AR)	002.10	Other LC-UV	189	0.0031	0.0032	0.0032	1.82	0.19				0
Δ9-THCA (%AR)	002.10	Other LC-UV	192	0.0383	0.0283	0.0269	19.9	2.97				0

CBD (%AR)												
CBD (%AR)	003.10	Other LC-UV	204	0.9935	0.9958	0.9988	0.27	0.07	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	149	0.919	0.918	0.913	0.35	0.09	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	173	0.996	1.007	0.998	0.59	0.15	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	189	0.8037	0.7967	0.7945	0.6	0.15	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	183	0.92	0.912	0.908	0.67	0.17	1.12	0.27	6.66	0
CBD (%AR)	003.02	AOAC 2018.11, U	199	0.957	0.943	0.9395	0.98	0.24	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	106	0.96	0.96	0.94	1.21	0.3	1.12	0.27	6.66	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBD (%AR)	003.10	Other LC-UV	162	1.0693	1.0686	1.0451	1.3	0.33	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	184	0.9496	0.97	0.941	1.56	0.39	1.12	0.27	6.66	0
CBD (%AR)	003.03	AOAC 2018.11, M	139	0.9856	0.9062	0.963	4.3	1.07	1.12	0.27	6.66	0
CBD (%AR)	003.10	Other LC-UV	192	1.1625	1.143	1.0258	6.66	1.7	1.12	0.27	6.66	0

CBDA (%AR)

CBDA (%AR)	004.10	Other LC-UV	184	<0.0400								1
CBDA (%AR)	004.10	Other LC-UV	192	0	0.0123	0.0095						1
CBDA (%AR)	004.10	Other LC-UV	173	0	0	0						1
CBDA (%AR)	004.03	AOAC 2018.11, M	139	<0.0125								1
CBDA (%AR)	004.10	Other LC-UV	106	<0.0300								1
CBDA (%AR)	004.10	Other LC-UV	162	<0.0100								1
CBDA (%AR)	004.02	AOAC 2018.11, U	199	<0.0500								1
CBDA (%AR)	004.10	Other LC-UV	183	0.003	0.003	0.003	0	0				0
CBDA (%AR)	004.30	Other LC-MS	190	0.005	0.005	0.005	0	0				0
CBDA (%AR)	004.10	Other LC-UV	189	0.0069	0.0071	0.008	7.99	0.96				0

CBN (%AR)

CBN (%AR)	005.10	Other LC-UV	173	<0.1490								1
CBN (%AR)	005.10	Other LC-UV	106	<0.0300								1
CBN (%AR)	005.02	AOAC 2018.11, U	199	<0.0500								1
CBN (%AR)	005.10	Other LC-UV	162	<0.0100								1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBN (%AR)	005.30	GC-FID	138	0.0203	0.0206	0.0206	0.84	0.12	7.52	0.84	32.7	0
CBN (%AR)	005.10	Other LC-UV	189	0.0075	0.0073	0.0077	2.67	0.32	7.52	0.84	32.7	0
CBN (%AR)	005.03	AOAC 2018.11, M	139	0.0096	0.0104	0.0111	7.24	0.91	7.52	0.84	32.7	0
CBN (%AR)	005.20	Other LC-MS	190	0.007	0.007	0.008	7.87	0.94	7.52	0.84	32.7	0
CBN (%AR)	005.10	Other LC-UV	183	0.007	0.006	0.006	9.12	1.07	7.52	0.84	32.7	0
CBN (%AR)	005.10	Other LC-UV	192	0.0103	0.0052	0.0079	32.7	3.96	7.52	0.84	32.7	0

Total Δ9-THC (%AR)

Total Δ9-THC (%AR)	006.10	Other LC-UV	204	0.1587								1
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	199		<0.0500							1
Total Δ9-THC (%AR)	006.30	Other LC-MS	102	0.05	ow_type	0.047						1
Total Δ9-THC (%AR)	006.10	Other LC-UV	173		<0.1490							1
Total Δ9-THC (%AR)	006.40	GC-FID	138	0.0354	0.0351	0.0353	0.43	0.07	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	189	0.0477	0.0473	0.0478	0.56	0.09	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	183	0.045	0.045	0.044	1.29	0.2	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.40	GC-FID	169	0.0298	0.0306	0.0302	1.32	0.2	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.03	AOAC 2018.11, M	139	0.3713	0.3563	0.3634	2.06	0.44	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	162	0.0235	0.0216	0.0234	4.68	0.67	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	149	0.046	0.04	0.042	7.16	1.12	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.02	AOAC 2018.11, U	103	0.035	0.0311	0.0298	8.47	1.27	4.06	0.43	17.4	0
Total Δ9-THC (%AR)	006.10	Other LC-UV	192	0.0911	0.0694	0.0673	17.4	2.95	4.06	0.43	17.4	0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Total CBD (%AR)									
Total CBD (%AR)	007.40	GC-FID	138	0.995	0.995	0.999	0.23	0.06	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	149	0.919	0.918	0.913	0.35	0.09	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	189	0.8097	0.803	0.8015	0.54	0.13	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	173	0.996	1.007	0.998	0.59	0.15	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	183	0.923	0.915	0.911	0.67	0.16	1.51	0.23	6.42	0
Total CBD (%AR)	007.02	AOAC 2018.11, U	199	0.957	0.943	0.9395	0.98	0.24	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	162	1.0693	1.0686	1.0451	1.3	0.33	1.51	0.23	6.42	0
Total CBD (%AR)	007.40	GC-FID	169	0.9954	1.0404	0.997	2.53	0.63	1.51	0.23	6.42	0
Total CBD (%AR)	007.03	AOAC 2018.11, M	139	0.0986	0.0906	0.0963	4.33	0.76	1.51	0.23	6.42	0
Total CBD (%AR)	007.10	Other LC-UV	192	1.1625	1.1538	1.0341	6.42	1.64	1.51	0.23	6.42	0
			CBDV (%AR)									
CBDV (%AR)	008.99	Other	173	0	0	0						1
CBDV (%AR)	008.99	Other	106	<0.0300								1
CBDV (%AR)	008.02	AOAC 2018.11, U	183	0.014	0.014	0.014	0	0				0
CBDV (%AR)	008.99	Other	189	0.0072	0.0073	0.0073	0.8	0.1				0
CBDV (%AR)	008.99	Other	162	0.0128	0.0126	0.0123	2	0.26				0
			CBDVA (%AR)									
CBDVA (%AR)	009.99	Other	173	0	0	0						1
CBDVA (%AR)	009.02	AOAC 2018.11, U	183	<0.0010								1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
CBG (%AR)												
CBG (%AR)	010.99	Other	106		<0.0300	0.03						1
CBG (%AR)	010.99	Other	173		<0.1490							1
CBG (%AR)	010.99	Other	162	0.0232	0.0227	0.0234	1.56	0.22				0
CBG (%AR)	010.02	AOAC 2018.11, U	183	0.027	0.027	0.026	2.17	0.32				0
CBG (%AR)	010.99	Other	189	0.0391	0.041	0.0411	2.79	0.43				0
CBGA (%AR)												
CBGA (%AR)	011.99	Other	106		<0.0300							1
CBGA (%AR)	011.99	Other	173	0	0	0						1
CBGA (%AR)	011.02	AOAC 2018.11, U	183		<0.0010							1
CBGA (%AR)	011.99	Other	162		<0.0100							1
CBGA (%AR)	011.99	Other	189	0.002	0.0019	0.0021	5	0.49				0
THCV (%AR)												
THCV (%AR)	012.99	Other	106		<0.0300							1
THCV (%AR)	012.99	Other	173	0	0	0						1
THCV (%AR)	012.02	AOAC 2018.11, U	183		<0.0010							1
THCV (%AR)	012.99	Other	189	0.0026	0.0022	0.0021	11.5	1.16				0

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
			Δ8-THC (%AR)									
Δ8-THC (%AR)	013.99	Other	106	0.28	0.28	0.28	0	0	1.52	0	6.82	0
Δ8-THC (%AR)	013.99	Other	189	0.2517	0.2496	0.2507	0.42	0.09	1.52	0	6.82	0
Δ8-THC (%AR)	013.99	Other	162	0.2955	0.2979	0.3001	0.77	0.16	1.52	0	6.82	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	183	0.287	0.283	0.281	1.08	0.22	1.52	0	6.82	0
Δ8-THC (%AR)	013.02	AOAC 2018.11, U	199	0.298	0.291	0.294	1.19	0.25	1.52	0	6.82	0
Δ8-THC (%AR)	013.01	AOAC 2018.10	149	0.288	0.282	0.282	1.22	0.25	1.52	0	6.82	0
Δ8-THC (%AR)	013.99	Other	138	0.2914	0.3011	0.3021	1.98	0.41	1.52	0	6.82	0
Δ8-THC (%AR)	013.99	Other	173	0.345	0.324	0.328	3.36	0.71	1.52	0	6.82	0
Δ8-THC (%AR)	013.99	Other	204	0.3019	0.264	0.2908	6.82	1.42	1.52	0	6.82	0
			CBC (%AR)									
CBC (%AR)	014.99	Other	106	<0.0300								1
CBC (%AR)	014.99	Other	173	<0.1490								1
CBC (%AR)	014.02	AOAC 2018.11, U	183	0.022	0.021	0.022	2.66	0.38				0
CBC (%AR)	014.99	Other	162	0.0198	0.0209	0.0211	3.4	0.48				0
CBC (%AR)	014.99	Other	189	0.029	0.0289	0.0352	11.6	1.73				0
			Cd (ug/g AR)									
Cd (ug/g AR)	101.04	ICP-MS	183	<0.0020								1
Cd (ug/g AR)	101.04	ICP-MS	106	<0.0830								1
Cd (ug/g AR)	101.04	ICP-MS	162	<0.2000								1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Cd (ug/g AR)	101.04	ICP-MS	102	0.1768	0.1878	0.1989	5.88	1.15				0
As (ug/g AR)												
As (ug/g AR)	102.04	ICP-MS	183		<0.0020							1
As (ug/g AR)	102.04	ICP-MS	106		<0.0830							1
As (ug/g AR)	102.04	ICP-MS	162		<0.2000							1
As (ug/g AR)	102.04	ICP-MS	102	0.0485	0.0507	0.0547	6.13	0.98				0
Hg (ug/g AR)												
Hg (ug/g AR)	103.04	ICP-MS	106		<0.0080							1
Hg (ug/g AR)	103.04	ICP-MS	162		<0.1000							1
Hg (ug/g AR)	103.99	Other	102		<0.0001							1
Hg (ug/g AR)	103.04	ICP-MS	183		<0.0050							1
Pb (ug/g AR)												
Pb (ug/g AR)	104.04	ICP-MS	183		<0.0020							1
Pb (ug/g AR)	104.04	ICP-MS	106		<0.0830							1
Pb (ug/g AR)	104.04	ICP-MS	162		<0.2000							1
(-)-alpha-Bisabolol (%AR)												
(-)-alpha-Bisabolol (%A	201.02	GC,MS	183		<0.0100	0.0102						1
(-)-alpha-Bisabolol (%A	201.02	GC,MS	162		<0.0080							1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
beta-Caryophyllene (%AR)												
beta-Caryophyllene (%)	202.02	GC,MS	162		<0.0080							1
beta-Caryophyllene (%)	202.02	GC,MS	183		<0.0100							1
(-)-Caryophyllene oxide (%AR)												
(-)-Caryophyllene oxide	203.02	GC,MS	183		<0.0020							1
Geraniol (%AR)												
Geraniol (%AR)	204.02	GC,MS	183		<0.0020							1
Geraniol (%AR)	204.02	GC,MS	162		<0.0080							1
alpha-Humulene (%AR)												
alpha-Humulene (%AR)	205.02	GC,MS	162		<0.0080							1
alpha-Humulene (%AR)	205.02	GC,MS	183		<0.0100							1
d-Limonene (%AR)												
d-Limonene (%AR)	206.02	GC,MS	183		<0.0020							1
d-Limonene (%AR)	206.02	GC,MS	162		<0.0080							1
Linalool (%AR)												
Linalool (%AR)	207.02	GC,MS	162		<0.0080							1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Linalool (%AR)	207.02	GC,MS	183		<0.0020							1
beta-Myrcene (%AR)												
beta-Myrcene (%AR)	208.02	GC,MS	183		<0.0020							1
beta-Myrcene (%AR)	208.02	GC,MS	162		<0.0080							1
Ocimene (%AR)												
Ocimene (%AR)	210.02	GC,MS	183		<0.0020							1
Ocimene (%AR)	210.02	GC,MS	162		<0.0030							1
alpha-Pinene (%AR)												
alpha-Pinene (%AR)	211.02	GC,MS	162		<0.0080							1
alpha-Pinene (%AR)	211.02	GC,MS	183		<0.0020							1
(-)-beta-Pinene (%AR)												
(-)-beta-Pinene (%AR)	212.02	GC,MS	183		<0.0020							1
(-)-beta-Pinene (%AR)	212.02	GC,MS	162		<0.0080							1
alpha-Terpinene (%AR)												
alpha-Terpinene (%AR)	213.02	GC,MS	183		<0.0020							1
alpha-Terpinene (%AR)	213.02	GC,MS	162		<0.0080							1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
gamma-Terpinene (%AR)												
gamma-Terpinene (%A	214.02	GC,MS	183		<0.0020							1
gamma-Terpinene (%A	214.02	GC,MS	162		<0.0080							1
alpha-Terpinolene (%AR)												
alpha-Terpinolene (%A	215.02	GC,MS	183		<0.0020							1
alpha-Terpinolene (%A	215.02	GC,MS	162		<0.0080							1
Δ9-THC (%DW)												
Δ9-THC (%DW)	501.01	AOAC 2018.10	210	0.029	0.027	0.029	4.08	0.6				0
Δ9-THCA (%DW)												
Δ9-THCA (%DW)	502.01	AOAC 2018.10	210		<0.0240							1
CBD (%DW)												
CBD (%DW)	503.01	AOAC 2018.10	210	0.979	0.99	0.985	0.56	0.14				0
CBDA (%DW)												
CBDA (%DW)	504.01	AOAC 2018.10	210		<0.0240							1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Total Δ9-THC (%DW)												
Total Δ9-THC (%DW)	506.01	AOAC 2018.10	210	0.05	0.047	0.048	3.16	0.5				0
Total CBD (%DW)												
Total CBD (%DW)	507.01	AOAC 2018.10	210	1	1.011	1.027	1.34	0.34				0
CBDV (%DW)												
CBDV (%DW)	508.02	AOAC 2018.11, U	210	<0.0220								1
CBDVA (%DW)												
CBDVA (%DW)	509.01	AOAC 2018.10	210	<0.0240								1
CBG (%DW)												
CBG (%DW)	510.01	AOAC 2018.10	210	<0.0220								1
CBGA (%DW)												
CBGA (%DW)	511.01	AOAC 2018.10	210	<0.0240								1
THCV (%DW)												
THCV (%DW)	512.02	AOAC 2018.11, U	210	<0.0220								1

Analyte	Code	Method	Lab Num	Result1	Result2	Result3	Lab RSDr	HorRat(r)	Population of Lab RSDr			Flag
									Rob Mean	min	max	
Δ8-THC (%DW)												
Δ8-THC (%DW)	513.01	AOAC 2018.10	210	0.305	0.302	0.306	0.68	0.14				0
CBC (%DW)												
CBC (%DW)	514.01	AOAC 2018.10	210	<0.0220								1

1. Flag definitions: 1 (Lab RSDr not calculated because there were less than 3 numeric lab results)
2. Statistical parameters of robust mean, minimum, and maximum for RSDr only shown only if there were 6 or more lab RSDr values.
3. AR refers to concentration on as-received basis. DW refers to concentration on dry weight basis.c