



Cannabis Testing Standards for Cannabinoids and Common Pesticide Contaminants



Cambridge Isotope
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Cannabinoid Standards

Research suggests the cannabis plant produces between 80-100 cannabinoids, primarily cannabidiol (CBD) and tetrahydrocannabinol (THC). The manufacture and sale of products derived from cannabis is regulated by a variety of laws internationally due to the psychoactive effects associated with THC and medicinal claims related to CBD. High-purity native and stable isotope-labeled standards are necessary for quantification and qualification of a wide range of cannabinoid products, including textiles, pharmaceuticals, personal care products, and foods and beverages.

CIL has developed stable-isotope labeled and native standards of THC, CBD and other cannabinoids to assist researchers with their testing needs.

Article No.	Description	Concentration	Amount
CIL-DLM-10854-1.2	Cannabichromene (CBC) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-10878-1.2	Cannabichromene (CBC) (unlabeled)	1000 µg/mL in methanol	1.2 mL
CIL-DLM-10855-1.2	Cannabidiol (CBD) (D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-10876-1.2	Cannabidiol (CBD) (unlabeled)	1000 µg/mL in methanol	1.2 mL
CIL-DLM-11140-1.2	Cannabidivarin (CBDV) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-11132-1.2	Cannabidivarin (CBDV) (unlabeled)	1000 µg/mL in methanol	1.2 mL
CIL-DLM-10853-1.2	Cannabigerol (CBG) (methyl-D ₃ , 98%)	100 µg/mL in methanol	Inquire
CIL-ULM-10877-1.2	Cannabigerol (CBG) (unlabeled)	1000 µg/mL in methanol	Inquire
CIL-DLM-10847-1.2	Cannabinol (CBN) (methyl-D ₃ , 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-10875-1.2	Cannabinol (CBN) (unlabeled)	1000 µg/mL in methanol	1.2 mL
CIL-DLM-10915-1.2	Cannabivarin (CBV) (methyl-D ₃ , 98%) CP 97%	100 µg/mL in methanol	1.2 mL
CIL-ULM-10916-1.2	Cannabivarin (CBV) (unlabeled)	1000 µg/mL in methanol	1.2 mL

Common Pesticide Contaminants

To support the growing cannabis industry, we also offer CIL's individual stable isotope labeled and native standards of common pesticides that are required for cannabis testing in the US and Canada.

Additional CIL pesticide standards as well as mycotoxin standards and standards for heavy metals testing are also available at labmix24.com.

Article No.	Description	Concentration	Amount
CIL-DLM-6000-1.2	Acephate (methoxy-D ₃ , thiomethoxy-D ₃ , 98%)	100 µg/mL in acetonitrile-D ₃	1.2 mL
CIL-ULM-7263-1.2	Acephate (unlabeled)	100 µg/mL in acetonitrile	1.2 mL
CIL-CLM-9653-1.2	Acetamiprid (pyridylmethyl- ¹³ C ₆ , 99%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-9734-1.2	Acetamiprid (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-CDLM-9820-1.2	Aldicarb (¹³ C ₂ , 98%; D ₃ , 98%)	100 µg/mL in acetonitrile	1.2 mL
CIL-ULM-9823-1.2	Aldicarb (unlabeled)	100 µg/mL in acetonitrile	1.2 mL
CIL-CLM-3737-1.2	Atrazine (ring- ¹³ C ₃ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-CLM-3737-MT-1.2	Atrazine (ring- ¹³ C ₃ , 99%)	100 µg/mL in methyl t -butyl ether	1.2 mL
CIL-DLM-1149-E-1.2	Atrazine (ethylamine-D ₅ , 98%)	500 µg/mL in ethanol	1.2 mL
CIL-DLM-1149-1.2	Atrazine (ethylamine-D ₅ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7235-E-1.2	Atrazine (unlabeled)	500 µg/mL in ethanol	1.2 mL
CIL-ULM-7235-1.2	Atrazine (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-DLM-10041-1.2	Bifenthrin (D ₆ , 98%) CP 95%	100 µg/mL in nonane	1.2 mL
CIL-ULM-10034-1.2	Bifenthrin (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-4682-1.2	Carbaryl (ring- ¹³ C ₆ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-8096-1.2	Carbaryl (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-1911-1.2	Carbofuran (ring- ¹³ C ₆ , 99%)	100 µg/mL in 1,4-dioxane	1.2 mL
CIL-ULM-7419-1.2	Carbofuran (unlabeled)	100 µg/mL in 1,4-dioxane	1.2 mL
CIL-CLM-8087-1.2	cis-Chlordane (¹³ C ₁₀ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-2419-1.2	cis-Chlordane (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-4792-1.2	trans-Chlordane (¹³ C ₁₀ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-2420-1.2	trans-Chlordane (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-DLM-4360-1.2	Chlorpyrifos (diethyl-D ₁₀ , 99%) CP 97%	100 µg/mL in nonane	1.2 mL
CIL-ULM-7489-1.2	Chlorpyrifos (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CNLM-9940-1.2	Clothianidin (methylene- ¹³ C, 99%; thiazole- ¹³ C ₃ , 99%; ¹⁵ N, 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-9941-1.2	Clothianidin (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-CLM-7293-1.2	Cyfluthrin (phenoxy- ¹³ C ₆ , 99%) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL
CIL-DLM-10043-1.2	Cyfluthrin (D ₆ , 98%) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7454-1.2	Cyfluthrin (unlabeled) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL

Common Pesticide Contaminants (continued)

Article No.	Description	Concentration	Amount
CIL-CLM-7292-1.2	Cypermethrin (phenoxy- ¹³ C ₆ , 99%) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL
CIL-DLM-10042-1.2	Cypermethrin (D ₆ , 98%) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7453-1.2	Cypermethrin (unlabeled) (mix of stereoisomers)	100 µg/mL in nonane	1.2 mL
CIL-DLM-10040-1.2	Deltamethrin (D ₆ , 98%) (mix of isomers)	100 µg/mL in nonane	1.2 mL
CIL-ULM-10033-1.2	Deltamethrin (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-DLM-1148-A-1.2	Diazinon (diethyl-D ₁₀ , 98%)	100 µg/mL in acetonitrile	1.2 mL
CIL-DLM-1148-1.2	Diazinon (diethyl-D ₁₀ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-6575-A-1.2	Diazinon (unlabeled)	100 µg/mL in acetonitrile	1.2 mL
CIL-ULM-6575-S-10X-1.2	Diazinon (unlabeled)	1000 µg/mL in nonane	1.2 mL
CIL-DLM-2829-1.2	Dichlorvos (dimethyl-D ₆ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7217-1.2	Dichlorvos (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-DLM-7151-1.2	Dimethoate (O,O-dimethyl-D ₆ , 98%)	100 µg/mL in acetonitrile	1.2 mL
CIL-ULM-7972-1.2	Dimethoate (unlabeled)	100 µg/mL in acetonitrile	1.2 mL
CIL-CLM-9594-1.2	Dinotefuran (furylmethyl- ¹³ C ₅ , 99%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-9732-1.2	Dinotefuran (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-DLM-7116	Diuron (dimethyl-D ₆ , 98%)	100 µg/mL in nonane	Inquire
CIL-CLM-6025-1.2	Endosulfan I (¹³ C ₉ , 99%) CP 95%	100 µg/mL in nonane	1.2 mL
CIL-DLM-2862-1.2	Endosulfan I (D ₄ , 97%) CP 95%	100 µg/mL in nonane	1.2 mL
CIL-ULM-7447-1.2	Endosulfan I (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-6026-1.2	Endosulfan II (¹³ C ₉ , 99%) CP 95%	100 µg/mL in nonane	1.2 mL
CIL-ULM-7448-1.2	Endosulfan II (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-7531-1.2	Endosulfan sulfate (¹³ C ₉ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7990-1.2	Endosulfan sulfate (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-DLM-10035-1.2	Fenvalerate (D ₆ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-10022-1.2	Fenvalerate (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CNLM-9636-MT-1.2	Fipronil (3-cyano,pyrazole-3,4,5- ¹³ C ₄ , 99%; 3-cyano,5- ¹⁵ N ₂ , 98%)	100 µg/mL in methyl tert-butyl ether	1.2 mL
CIL-ULM-9635-MT-1.2	Fipronil (unlabeled)	100 µg/mL in methyl tert-butyl ether	1.2 mL
CIL-NOLM-10860-1.2	Flonicamid (¹⁸ O, 96%; amide- ¹⁵ N, 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-10861-1.2	Flonicamid (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-CLM-10767-1.2	Imidacloprid (pyridylmethyl- ¹³ C ₆ , 99%)	100 µg/mL in methanol	1.2 mL
CIL-DLM-8512-1.2	Imidacloprid (4,4,5,5-D ₄ , 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-8513-1.2	Imidacloprid (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-DLM-4476-1.2	Malathion (D ₁₀ , 99%)	100 µg/mL in nonane	1.2 mL

Common Pesticide Contaminants (continued)

Article No.	Description	Concentration	Amount
CIL-ULM-8122-1.2	Malathion (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CNLM-7148-1.2	Methomyl (acetohydroxamate- ¹³ C ₂ , 99%; ¹⁵ N, 98%) CP 97%w	100 µg/mL in methanol	1.2 mL
CIL-ULM-8639-1.2	Methomyl (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-CLM-1955-1.2	Pentachloronitrobenzene (¹³ C ₆ , 99%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-7597-1.2	Pentachloronitrobenzene (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-7322-1.2	cis-Permethrin (phenoxy- ¹³ C ₆ , 99%)	50 µg/mL in nonane	1.2 mL
CIL-ULM-8526-1.2	cis-Permethrin (unlabeled)	50 µg/mL in nonane	1.2 mL
CIL-CLM-7323-1.2	trans-Permethrin (phenoxy- ¹³ C ₆ , 99%)	50 µg/mL in nonane	1.2 mL
CIL-ULM-8527-1.2	trans-Permethrin (unlabeled)	50 µg/mL in nonane	1.2 mL
CIL-DLM-10036-1.2	Permethrin (cis/trans mix) (D ₆ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-10018-1.2	Permethrin (cis/trans mix) (unlabeled) CP 95%	100 µg/mL in nonane	1.2 mL
CIL-DLM-4667-1.2	Phosmet (dimethyl-D ₆ , 98%)	100 µg/mL in acetonitrile	1.2 mL
CIL-ULM-8454-1.2	Phosmet (unlabeled)	100 µg/mL in acetonitrile	1.2 mL
CIL-DLM-7141-1.2	Propoxur (isopropyl-D ₇ , 98%)	100 µg/mL in nonane	1.2 mL
CIL-ULM-9765-1.2	Propoxur (unlabeled)	100 µg/mL in nonane	1.2 mL
CIL-CLM-9880	Tetrachlorvinphos (TCVP) (ring- ¹³ C ₆ , 99%)		Inquire
CIL-ULM-9991	Tetrachlorvinphos (TCVP) (unlabeled)		Inquire
CIL-CLM-9652-1.2	Thiacloprid (pyridylmethyl- ¹³ C ₆ , 99%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-9733-1.2	Thiacloprid (unlabeled)	100 µg/mL in methanol	1.2 mL
CIL-CNLM-9860-1.2	Thiamethoxam (methylene- ¹³ C, 99%; thiazole- ¹³ C ₃ , 99%; ¹⁵ N, 98%)	100 µg/mL in methanol	1.2 mL
CIL-ULM-9939-1.2	Thiamethoxam (unlabeled)	100 µg/mL in methanol	1.2 mL

Your inquiries are important to us!

Do you have any questions about our product range? Do you need custom-made standards?

Please don't hesitate to contact us! Let us know what you require and you'll receive a personal response ASAP. Our team will be happy to help you find the right materials for your application.

We're looking forward to working with you!