

Canadian Cannabis Pesticide Mixes & Kits

Canadian Pesticide Mixes & Kits

For Regulations set by the Government of Canada

Chemical pesticides have become an integral part of the agricultural toolbox, offering protection to crops from destructive pests. However, an unfortunate side effect of their uses is the potential leaching of these, oftentimes, harmful chemicals into the environment leading to their eventual presence in the human food chain. As a result, pesticide residue analysis has become a critical testing process for many different types of laboratories.

For your convenience, we have designed a cannabis pesticide kit which contains the 95 compounds that are required to be tested based on regulations set by the Government of Canada. This requirement for mandatory testing for the presence of unauthorized pesticides will help ensure that Canadians can continue to have confidence in obtaining safe, quality-controlled medical cannabis from licensed producers.

Terpenes in a sample of Cannabis helps to identify the strain and has an effect on the medical efficacy. SPEX CertiPrep offers single component standards for common terpenes in Cannabis residues to make strain identification easier for the analyst.

Canadian Pesticide Mix 1 in LC/MS Acetonitrile

Components	CAS #	Components	CAS #	Components	CAS #
Aldicarb	116-06-3	Imazalil	35554-44-0	Novaluron	116714-46-6
Baygon (Propoxur)	114-26-1	Imidacloprid	138261-41-3	Oxamyl	23135-22-0
Carbaryl	63-25-2	Iprodione	36734-19-7	Pirimicarb	23103-98-2
Carbofuran	1563-66-2	Methiocarb	2032-65-7	Thiacloprid	111988-49-9
Fenoxycarb	72490-01-8	Methomyl	16752-77-5		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-1	

CERTIFIED REFERENCE MATERIALS

SPEX CertiPrep is the industry leader for over 60 years in the CRM marketplace meeting the needs of laboratories worldwide with innovation and research. Accredited by A2LA to ISO/IEC 17025:2005 & ISO 17034:2016. Certified by DQS to ISO 9001:2015.

Canadian Cannabis Pesticide Mixes & Kits (cont'd)

Canadian Pesticide Mix 2 in LC/MS Acetonitrile

Components	CAS #	Components	CAS #	Components	CAS #
Allethrin	584-79-2	Methoprene	40596-69-8	Pyrethrins (mix of isomers)	8003-34-7
Baythroid (Cyfluthrin)	68359-37-5	MGK 264™	113-48-4	Resmethrin	10453-86-8
Bifenthrin	82657-04-3	Permethrin (mix of cis & trans)	52645-53-1	Sanmarton	51630-58-1
Cypermethrin	52315-07-8	d-Phenothrin (mix of cis & trans)	26002-80-2	Tetramethrin	7696-12-0
Deltamethrin	52918-63-5	Piperonyl Butoxide	51-03-6		
Kinoprene	42588-37-4	Prallethrin (mix of isomers)	23031-36-9		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-2	

Canadian Pesticide Mix 3 in LC/MS Acetonitrile

Components	CAS #	Components	CAS #	Components	CAS #
Azadirachtin	11141-17-6	Endosulfan II	33213-65-9	Pentachloronitrobenzene	82-68-8
Benzovindiflupyr	1072957-71-1	Endosulfan sulfate	1031-07-8	Trifloxystrobin	141517-21-7
Endosulfan I	959-98-8	Fipronil	120068-37-3		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-3	

Canadian Pesticide Mix 4 in LC/MS Acetonitrile

Components	CAS #	Components	CAS #	Components	CAS #
Acephate	30560-19-1	Etoazazole	153233-91-1	Prophos	13194-48-4
Chlorpyrifos	2921-88-2	Fensulfathion	115-90-2	Spiroxamine	118134-30-8
Coumaphos	56-72-4	Fenthion	55-38-9	Terrazole	2593-15-9
Diazinon	333-41-5	Imidan (Phosmet)	732-11-6	Tetrachlorvinphos (Z)	22248-79-9
Dichlorvos	62-73-7	Malathion	121-75-5	Thiophanate-methyl	23564-05-8
Dimethoate	60-51-5	Methyl parathion	298-00-0		
Etofenprox	80844-07-1	Mevinphos	7786-34-7		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-4	

Canadian Pesticide Mix 5 in LC/MS Acetonitrile

Components	CAS #	Components	CAS #	Components	CAS #
Acequinocyl	57960-19-7	Clothianidin	210880-92-5	Hexythiazox	78587-05-0
Acetamiprid	135410-20-7	Cyantraniliprole	736994-63-1	Paclobutrazol	76738-62-0
Azoxystrobin	131860-33-8	Cyprodinil	121552-61-2	Propiconazole (Tilt)	60207-90-1
Bifenazate	149877-41-8	Dinotefuran	165252-70-0	Pyraclostrobin	175013-18-0
Boscalid	188425-85-6	(E)-Fenpyroximate	134098-61-6	Systhane (Myclobutanil)	88671-89-0
Buprofezin	69327-76-0	Fonicamid	158062-67-0	Tebufozide	112410-23-8
Chlorantraniliprole	500008-45-7	Fludioxonil	131341-86-1	Teflubenzuron	83121-18-0
Chlorfenapyr	122453-73-0	Fluopyram	658066-35-4	Thiamethoxam	153719-23-4
Clofentezine	74115-24-5	Folicur	107534-96-3		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-5	

Canadian Cannabis Pesticide Mixes & Kits (cont'd)

Canadian Pesticide Mix 6 in LC/MS Acetonitrile					
Components	CAS #	Components	CAS #	Components	CAS #
Abamectin	71751-41-2	Metalaxyl	57837-19-1	Spirodiclofen	148477-71-8
Daminozide	1596-84-5	Pyridaben	96489-71-3	Spiromesifen	283594-90-1
Dodemorph	1593-77-7	Spinetoram	187166-40-1	Spirotetramat	203313-25-1
Kresoxim-methyl	143390-89-0	Spinosad	168316-95-8		
		Concentration	Volume	Part #	
		100 µg/mL	1 mL	CAN-CAN-6	

Canadian Pesticide Naled Standard in LC/MS Acetonitrile			
Components	CAS #		
Dibrom (Naled)	300-76-5		
	Concentration	Volume	Part #
	1,000 µg/mL	1 mL	LCS-2650

Canadian Pesticide Kit			
Kit contains 1 mL of each			
CAN-CAN-1	CAN-CAN-5		
CAN-CAN-2	CAN-CAN-6		
CAN-CAN-3	LCS-2650*		
CAN-CAN-4			
	Concentration	Volume	Part #
	100 µg/mL	7 x 1 mL	CAN-CAN-KIT

* LCS-2650 is at a concentration of 1,000 µg/mL

CAN-TERP Mix 1 in Methanol					
Components	CAS #	Components	CAS #	Components	CAS #
(-)-alpha-Bisabolol	23089-26-1	Eucalyptol	470-82-6	Linalool	78-70-6
Camphene	79-92-5	Farnesene (mix of isomers)	502-61-4	p-Mentha-1,5-diene	99-83-2
Camphor	76-22-2	(+)-Fenchone	4695-62-9	beta-Myrcene	123-35-3
(1S)-(+)-3-Carene	498-15-7	Geranyl acetate	105-87-3	Nerol	106-25-2
trans-Caryophyllene	87-44-5	Hexahydrothymol	89-78-1	cis-Nerolidol	3790-78-1
(-)-Caryophyllene oxide	1139-30-6	Isoborneol	124-76-5	Ocimene (mix of isomers)	13877-91-3
(+)-Cedrol	77-53-2	(-)-Isopulegol	89-79-2	Valencene	4630-07-3
Concentration	Volume	Part #	Concentration	Volume	Part #
100 µg/mL	1 mL	CAN-TERP-MIX1	1,000 µg/mL	1 mL	CAN-TERP-MIX1H

Canadian Cannabis Pesticide Mixes & Kits (cont'd)

CAN-TERP Mix 2 in Methanol

Components	CAS #	Components	CAS #	Components	CAS #
(+)-Borneol	464-43-7	Geraniol	106-24-1	(+)-Pulegone	89-82-7
(-)-Borneol	464-45-9	Guaial	489-86-1	Sabinene	3387-41-5
(1R)-(+)-Camphor	464-49-3	alpha-Humulene	6753-98-6	Sabinene hydrate	546-79-2
(1S)-(-)-Camphor	464-48-2	(R)-(+)-Limonene	5989-27-5	alpha-Terpinene	99-86-5
alpha-Cedrene	469-61-4	trans-Nerolidol	40716-66-3	gamma-Terpinene	99-85-4
(1R)-Endo-(+)-fenchyl alcohol	2217-02-9	alpha-Pinene	80-56-8	Terpineol (mix of isomers)	8000-41-7
L-(-)-Fenchone	7787-20-4	beta-Pinene	127-91-3	Terpinolene	586-62-9

Concentration	Volume	Part #	Concentration	Volume	Part #
100 µg/mL	1 mL	CAN-TERP-MIX2	1,000 µg/mL	1 mL	CAN-TERP-MIX2H

CAN-TERP Kit

Kit Contains

CAN-TERP-MIX1

CAN-TERP-MIX2

Concentration	Volume	Part #
100 µg/mL	2 x 1 mL	CAN-TERP-KIT

CAN-TERP Kit, High Level

Kit Contains

CAN-TERP-MIX1H

CAN-TERP-MIX2H

Concentration	Volume	Part #
1,000 µg/mL	2 x 1 mL	CAN-TERP-KITH

CAN'T FIND THE STANDARDS YOU ARE LOOKING FOR?

SPEX CertiPrep can make custom standards to meet your exact needs.
Contact your Fisher Scientific Sales Representative for a quote.