

# Cannabis Standards

AccuStandard offers standards for testing cannabinoids, terpenes, pesticide contaminants and residual solvents. Since the requirements differ by state, we have developed standards specific to state requirements. For additional information, contact our Technical Service Department at:

[techservice@accustandard.com](mailto:techservice@accustandard.com)

## Cannabis Terpenes

1 mL at 100 µg/mL in PT Methanol

Compound	CAS	Cat. No.
(-)-alpha-Bisabolol	23089-26-1	CP-TER-001S
(-)-β-Pinene	18172-67-3	CP-TER-002S
(-)-Borneol	464-45-9	CP-TER-003S
(-)-Caryophyllene oxide	1139-30-6	CP-TER-004S
(-)-Guaial	489-86-1	CP-TER-005S
(-)-Isopulegol	89-79-2	CP-TER-006S
(+)-Borneol	464-43-7	CP-TER-007S
(+)-Fenchone	4695-62-9	CP-TER-008S
Eucalyptol	470-82-6	CP-TER-009S
alpha-Humulene	6753-98-6	CP-TER-010S
alpha-Pinene	80-56-8	CP-TER-011S
alpha-Terpinene	99-86-5	CP-TER-012S
(-)-trans-Caryophyllene	87-44-5	CP-TER-013S
Myrcene	123-35-3	CP-TER-014S
Camphene	79-92-5	CP-TER-015S
Camphor	76-22-2	CP-TER-016S
3-Carene	13466-78-9	CP-TER-017S
(R)-Limonene	5989-27-5	CP-TER-018S
gamma-Terpinene	99-85-4	CP-TER-019S
Geraniol	106-24-1	CP-TER-020S
(1R)-(-)-Fenchone	7787-20-4	CP-TER-021S
Linalool	78-70-6	CP-TER-022S
Nerolidol	7212-44-4	CP-TER-023S
Ocimene	13877-91-3	CP-TER-024S
p-Cymene	99-87-6	CP-TER-025S
Terpinolene	586-62-9	CP-TER-026S
Valencene (Tech)	4630-07-3	CP-TER-027S
Terpineol	8000-41-7	CP-TER-028S
Farnesene (mixture of isomers)		CP-TER-029S

**Cannabis Terpene Mix Set**  
**CP-TER-MIX-SET** 2 x 1 mL  
 (CP-TER-MIX-01, CP-TER-MIX-02)

### Cannabis Terpene Mix 1

CP-TER-MIX-001

100 µg/mL each in PT Methanol

1 mL  
14 comps.

(-)-alpha-Bisabolol	Camphene
(-)-Caryophyllene oxide	Camphor
(-)-Isopulegol	Linalool
(+)-Fenchone	Nerolidol
Eucalyptol	Ocimene
beta-Caryophyllene	Valencene (Tech)
Myrcene	3-Carene

### Cannabis Terpene Mix 2

CP-TER-MIX-002

100 µg/mL each in PT Methanol

1 mL  
14 comps.

(-)-β-Pinene	(R)-Limonene
(-)-Guaial	gamma-Terpinene
(+)-Borneol	Geraniol
(-)-Borneol	(1R)-(-)-Fenchone
alpha-Humulene	p-Cymene
alpha-Pinene	Terpinolene
alpha-Terpinene	Terpineol

**Coming soon...**

## Cannabinoid Standards

1 mL at 1000 µg/mL in PT Methanol

Compound	CAS	Cat. No.
Cannabidiol (CBD)	13956-29-1	CP-CBD-01S
Delta-8-Tetrahydrocannabinol (THC-8)	5957-75-5	CP-8-THC-01S
Delta-9-Tetrahydrocannabinol (THC-9)	1972-08-3	CP-9-THC-01S
Delta-9-Tetrahydrocannabinolic acid A (THCA-A)	23978-85-0	CP-THCA-A-01S
Cannabigerol (CBG)	25654-31-3	CP-CBG-01S
Cannabichromene (CBC)	20675-51-8	CP-CBC-01S



## Oregon Cannabis Pesticides

The Oregon Health Association (OHA) has classified and submitted three prioritized groupings of residue cannabis pesticides:

- **Fungicides**
- **Pyrethroids**
- **Organophosphates.**

In June of 2015, a white paper titled "Pesticide Use on Cannabis" published by the Cannabis Safety Institute originally contained 188 active compounds.

From the targeted 188 active compounds a working group with the OHA had numerous analytical laboratories study the toxicological effects and the historical natural application of each of the compounds for crop and human ingestion. The results reduced the original number of targeted compounds to 59 pesticides. These 59 remain on the State of Oregon list. AccuStandard, Inc. offers three individual mixes of these 59 compounds.

### Oregon Cannabis Pesticide Set

**CP-ORE-SET** 3 x 1 mL  
(CP-ORE-01, CP-ORE-02, CP-ORE-03)

#### Oregon Cannabis Pesticide Mix 1

**CP-ORE-01** 1 mL  
100 µg/mL each in Acetonitrile 20 comps.

Abamectin	Daminozide	Methomyl
Acequinocyl	(E)-Fenpyroximate	Oxamyl
Aldicarb	Fenoxycarb	Propoxur
Carbaryl	Flonicamid	Spinosad
Carbofuran	Hexythiazox	Spirotetramat
Chlorantraniliprole	Imidacloprid	Thiamethoxam
Clofentezine	Methiocarb	

#### Oregon Cannabis Pesticide Mix 2

**CP-ORE-02** 1 mL  
100 µg/mL each in Acetonitrile 16 comps.

Acephate	Dursban	Naled
Bifenthrin	Ethoprop	Permethrin
Cyfluthrin	Etofenprox	Phosmet
Cypermethrin	Malathion	Prallethrin
Diazinon	Methyl parathion	Pyrethrins
Dimethoate		

#### Oregon Cannabis Pesticide Mix 3

**CP-ORE-03** 1 mL  
100 µg/mL each in Acetonitrile 23 comps.

Acetamiprid	Fludioxonil	Propiconazole
Azoxystrobin	Imazalil	Pyridaben
Bifenazate	Kresoxim-methyl	Spiromesifen
Boscalid	Metalaxyl	Spiroxamine
Chlorfenapyr	MGK-264	Tebuconazol
Dichlorvos	Myclobutanil	Thiacloprid
Etoazazole	Paclbutrazol	Trifloxystrobin
Fipronil	Piperonyl butoxide	

**Independently prepared lots available**

## Oregon Cannabis Residual Solvents

### Oregon Cannabis Residual Solvent Standards

<b>CP-ORE-RS-01</b> 1000 µg/mL each in Water	1 mL 11 comps.
Acetone	2-Ethoxyethanol
Acetonitrile	Ethyl acetate
2-Butanol	Ethyl ether
1,4-Dioxane	Ethylene glycol
Isopropyl acetate	Methanol
	2-Propanol
<b>CP-ORE-RS-02</b> 1000 µg/mL each in Ethanol	1 mL 18 comps.
Benzene	n-Heptane
Cumene	Ethylbenzene
Cyclohexane	Hexane
Dichloromethane	Isopentane
2,2-Dimethylbutane	2-Methylpentane
2,3-Dimethylbutane	3-Methylpentane
n-Pentane	Tetrahydrofuran
	Toluene
	o-Xylene
	p-Xylene
	m-Xylene
<b>CP-ORE-RS-03</b> 1000 µg/mL each in Ethanol	1 mL 4 comps.
2-Butanol	Isobutane
n-Propane	Neopentane
<b>CP-ORE-RS-04</b> 1000 µg/mL in Ethanol	1 mL
Ethylene oxide	

## Nevada Pesticide Standard

### Nevada Pesticide Mix

**CP-NV-PEST** 1 mL  
100 µg/mL each in Acetonitrile 25 comps.

Abamectin	Etoazazole	Pyrethrins
Acequinocyl	Fenhexamid	Quintozene
Alar	Flonicamid	Spinetoram
Bifenazate	Fludioxonil	Spinosad
Bifenthrin	Imazalil	Spirotetramat
Captan	Imidacloprid	Thiamethoxam
Cyfluthrin	Myclobutanil	Thiophanate-methyl
Cypermethrin	Piperonyl butoxide	Trifloxystrobin
Dimethomorph		

