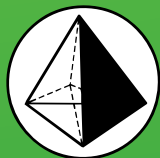


# Cannabis

## Testing Standards



**AccuStandard<sup>®</sup>**

# 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	<a href="#">CP-TER-001S</a>
(-)-β-Pinene	18172-67-3	<a href="#">CP-TER-002S</a>
(-)-Borneol	464-45-9	<a href="#">CP-TER-003S</a>
(-)-Caryophyllene oxide	1139-30-6	<a href="#">CP-TER-004S</a>
(-)-Guaïol	489-86-1	<a href="#">CP-TER-005S</a>
(-)-Isopulegol	89-79-2	<a href="#">CP-TER-006S</a>
(+)-Borneol	464-43-7	<a href="#">CP-TER-007S</a>
(+)-Fenchone	4695-62-9	<a href="#">CP-TER-008S</a>
Eucalyptol	470-82-6	<a href="#">CP-TER-009S</a>
alpha-Humulene	6753-98-6	<a href="#">CP-TER-010S</a>
alpha-Pinene	80-56-8	<a href="#">CP-TER-011S</a>
alpha-Terpinene	99-86-5	<a href="#">CP-TER-012S</a>
(-)-trans-Caryophyllene	87-44-5	<a href="#">CP-TER-013S</a>
Myrcene	123-35-3	<a href="#">CP-TER-014S</a>
Camphene	79-92-5	<a href="#">CP-TER-015S</a>
Camphor	76-22-2	<a href="#">CP-TER-016S</a>
3-Carene	13466-78-9	<a href="#">CP-TER-017S</a>
(R)-Limonene	5989-27-5	<a href="#">CP-TER-018S</a>
gamma-Terpinene	99-85-4	<a href="#">CP-TER-019S</a>
Geraniol	106-24-1	<a href="#">CP-TER-020S</a>
(1R)-(-)-Fenchone	7787-20-4	<a href="#">CP-TER-021S</a>
Linalool	78-70-6	<a href="#">CP-TER-022S</a>
Nerolidol	7212-44-4	<a href="#">CP-TER-023S</a>
Ocimene	13877-91-3	<a href="#">CP-TER-024S</a>
p-Cymene	99-87-6	<a href="#">CP-TER-025S</a>
Terpinolene	586-62-9	<a href="#">CP-TER-026S</a>
Valencene (Tech)	4630-07-3	<a href="#">CP-TER-027S</a>
Terpineol	8000-41-7	<a href="#">CP-TER-028S</a>
Farnesene (mixture of isomers)		<a href="#">CP-TER-029S</a>

### 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
(-)-Guaïol	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	<a href="#">CP-CBD-01S</a>
Delta-8-Tetrahydrocannabinol (THC-8)	5957-75-5	<a href="#">CP-8-THC-01S</a>
Delta-9-Tetrahydrocannabinol (THC-9)	1972-08-3	<a href="#">CP-9-THC-01S</a>
Delta-9-Tetrahydrocannabinolic acid A (THCA-A)	23978-85-0	<a href="#">CP-THCA-A-01S</a>
Cannabigerol (CBG)	25654-31-3	<a href="#">CP-CBG-01S</a>
Cannabichromene (CBC)	20675-51-8	<a href="#">CP-CBC-01S</a>



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## 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**

100 µg/mL each in Acetonitrile

**1 mL**

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**

100 µg/mL each in Acetonitrile

**1 mL**

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**

100 µg/mL each in Acetonitrile

**1 mL**

23 comps.

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

**Independently prepared lots available**

## Oregon Cannabis Residual Solvents

### Oregon Cannabis Residual Solvent Standards

**CP-ORE-RS-01**

1000 µg/mL each in Water

**1 mL**

11 comps.

Acetone	2-Ethoxyethanol	Isopropyl acetate
Acetonitrile	Ethyl acetate	Methanol
2-Butanol	Ethyl ether	2-Propanol
1,4-Dioxane	Ethylene glycol	

**CP-ORE-RS-02**

1000 µg/mL each in Ethanol

**1 mL**

18 comps.

Benzene	n-Heptane	n-Pentane
Cumene	Ethylbenzene	Tetrahydrofuran
Cyclohexane	Hexane	Toluene
Dichloromethane	Isopentane	o-Xylene
2,2-Dimethylbutane	2-Methylpentane	p-Xylene
2,3-Dimethylbutane	3-Methylpentane	m-Xylene

**CP-ORE-RS-03**

1000 µg/mL each in Ethanol

**1 mL**

4 comps.

2-Butanol	Isobutane	Neopentane
n-Propane		

**CP-ORE-RS-04**

1000 µg/mL in Ethanol

**1 mL**

Ethylene oxide

## Nevada Pesticide Standard

### Nevada Pesticide Mix

**CP-NV-PEST**

100 µg/mL each in Acetonitrile

**1 mL**

25 comps.

Abamectin	Etoxazole	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		





**AccuStandard®**

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ISO Guide 34 ■ ISO/IEC 17025 ■ ISO 9001:2015