CERTIFICATE OF ANALYSIS

DATE ISSUED: 04/22/2025

TRUE TERPENES

IDENTIFICATION

PRODUCT NAME	Valencene
PRODUCT DESIGNATION	Isolate
TRUE TERPENES PRODUCT #	TTI-VALE
FINISHED GOOD LOT #	25041814
RECOMMENDED USE BY DATE (RETEST DATE)	April 2026
CAS #	4630-07-3
EC #	225-047-6
MANUFACTURING DATE	4/18/2025
PRODUCT RELEASE DATE	4/21/2025
DENSITY*	0.92 g/mL

PARAMETER	SPECIFICATION	RESULT
APPEARANCE	COLORLESS TO DARK YELLOW LIQUID	PASSES VISUALLY
ODOR	CITRUS, GRAPEFRUIT, WOODY, ORANGE, GREEN, OILY	PASSES SENSORY
HEAVY METALS	PASSES TESTING	PASSES TESTING
PESTICIDES	PASSES TESTING	PASSES TESTING
RESIDUAL SOLVENTS	PASSES TESTING	PASSES TESTING

ADDITIONAL PRODUCT INFORMATION:

Storage Conditions:

Stable when stored in its original container securely tightened and away from heat, open flames, sunlight, combustible materials and hot surfaces. Store in a cool, dry, and well-ventilated place.

Heavy Metal Results (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Arsenic	0.11	0.0892	< LOQ	Cadmium	0.11	0.0892	< LOQ
Lead	0.11	0.0892	< LOQ	Mercury	0.06	0.0446	< LOQ

Pesticide Results (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Abamectin	0.07	0.07	< LOQ	Acephate	0.02	0.02	< LOQ
Acequinocyl	0.025	0.025	< LOQ	Acetamiprid	0.05	0.05	< LOQ
Aldicarb	0.1	0.1	< LOQ	Allethrin	0.1	0.1	< LOQ
Azadirachtin	0.5	0.5	< LOQ	Azoxystrobin	0.01	0.01	< LOQ
Benzovindiflupyr	0.01	0.01	< LOQ	Bifenazate	0.01	0.01	< LOQ
Bifenthrin	0.1	0.1	< LOQ	Boscalid	0.01	0.01	< LOQ
Buprofezin	0.01	0.01	< LOQ	Captan	0.7	0.7	< LOQ
Carbaryl	0.025	0.025	< LOQ	Carbofuran	0.01	0.01	< LOQ
Chlorantraniliprole	0.01	0.01	< LOQ	Chlordane	0.1	0.1	< LOQ
Chlorfenapyr	0.1	0.1	< LOQ	Chlorpyrifos	0.01	0.01	< LOQ
Clofentezine	0.01	0.01	< LOQ	Clothianidin	0.025	0.025	< LOQ
Coumaphos	0.01	0.01	< LOQ	Cyantraniliprole	0.01	0.01	< LOQ
Cyfluthrin	0.4	0.4	< LOQ	Cypermethrin	0.3	0.3	< LOQ
Cyprodinil	0.01	0.01	< LOQ	Daminozide	0.05	0.05	< LOQ
Deltamethrin	0.5	0.5	< LOQ	Diazinon	0.01	0.01	< LOQ
Dichlorvos	0.05	0.05	< LOQ	Dimethoate	0.01	0.01	< LOQ

**Density is calculated based on product formulation.*

trueterpenes.com
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Pesticide Results (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
Dimethomorph	0.05	0.05	< LOQ	Dinotefuran	0.05	0.05	< LOQ
Dodemorph	0.05	0.05	< LOQ	Endosulfan Sulfate	0.05	0.05	< LOQ
α-Endosulfan	0.10	0.05	< LOQ	β-Endosulfan	0.05	0.05	< LOQ
Ethoprophos	0.01	0.01	< LOQ	Etofenprox	0.01	0.01	< LOQ
Etoxazole	0.01	0.01	< LOQ	Etridiazole	0.05	0.05	< LOQ
Fenhexamid	0.1	0.1	< LOQ	Fenoxycarb	0.01	0.01	< LOQ
Fenpyroximate	0.02	0.02	< LOQ	Fensulfothion	0.01	0.01	< LOQ
Fenthion	0.01	0.01	< LOQ	Fenvalerate	0.2	0.2	< LOQ
Fipronil	0.01	0.01	< LOQ	Flonicamid	0.025	0.025	< LOQ
Fludioxonil	0.01	0.01	< LOQ	Fluopyram	0.01	0.01	< LOQ
Hexythiazox	0.01	0.01	< LOQ	Imazalil	0.01	0.01	< LOQ
Imidacloprid	0.01	0.01	< LOQ	Iprodione	0.5	0.5	< LOQ
Kinoprene	0.05	0.05	< LOQ	Kresoxim-methyl	0.01	0.01	< LOQ
Malathion	0.01	0.01	< LOQ	Metalaxyl	0.01	0.01	< LOQ
Methiocarb	0.01	0.01	< LOQ	Methomyl	0.025	0.025	< LOQ
Methoprene	1.0	1.0	< LOQ	Mevinphos	0.025	0.025	< LOQ
MGK-264	0.05	0.05	< LOQ	Myclobutanil	0.01	0.01	< LOQ
Naled	0.1	0.1	< LOQ	Novaluron	0.025	0.025	< LOQ
Oxamyl	0.5	0.5	< LOQ	Paclobutrazol	0.02	0.01	< LOQ
Parathion-Methyl	0.03	0.03	< LOQ	Pentachloronitrobenzene (Quintozene)	0.02	0.02	< LOQ
Permethrin	0.04	0.04	< LOQ	Phenothrin	0.025	0.025	< LOQ
Phosmet	0.01	0.01	< LOQ	Piperonyl butoxide	0.2	0.2	< LOQ
Pirimicarb	0.01	0.01	< LOQ	Prallethrin	0.05	0.05	< LOQ
Propiconazole	0.01	0.01	< LOQ	Propoxur	0.01	0.01	< LOQ
Pyraclostrobin	0.01	0.01	< LOQ	Pyrethrins	0.025	0.025	< LOQ
Pyridaben	0.02	0.02	< LOQ	Resmethrin	0.02	0.02	< LOQ
Spinetoram	0.01	0.01	< LOQ	Spinosad	0.01	0.01	< LOQ
Spirodiclofen	0.25	0.25	< LOQ	Spiromesifen	0.03	0.03	< LOQ
Spirotetramat	0.01	0.01	< LOQ	Spiroxamine	0.01	0.01	< LOQ
Tebuconazole	0.01	0.01	< LOQ	Tebufenozide	0.01	0.01	< LOQ
Teflubenzuron	0.025	0.025	< LOQ	Tetrachlorvinphos	0.01	0.01	< LOQ
Tetramethrin	0.05	0.05	< LOQ	Thiacloprid	0.01	0.01	< LOQ
Thiamethoxam	0.01	0.01	< LOQ	Thiophanate-Methyl	0.03	0.03	< LOQ
Trifloxystrobin	0.01	0.01	< LOQ				

Residual Solvent Results (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
1-Butanol	5000	500	< LOQ	1,2-Dichloroethane	1.0	1.0	< LOQ
1,4-Dioxane	380	100	< LOQ	1-Pentanol	5000	500	< LOQ
1,2-Dimethoxyethane	100	50.0	< LOQ	2,3-Dimethylbutane	30	30	< LOQ
2-Butanone (Methylethylketone)	500	500	< LOQ	2-Methyl-1-Propanol	5000	500	< LOQ
2-Methylpentane	30	30	< LOQ	2,2-Dimethylbutane	30	30	< LOQ
2-Butanol	5000	200	< LOQ	2-Ethoxyethanol	160	30	< LOQ
2-Methylbutane (Isopentane)	750	200	< LOQ	2-Propanol (IPA)	500	200	< LOQ

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Residual Solvent Results (ppm)

Analyte	Max Allowed	LOQ	Result	Analyte	Max Allowed	LOQ	Result
2,2-Dimethylpropane (Neopentane)	750	200	< LOQ	3-Methyl-1-Butanol (Isoamyl Alcohol)	500	500	< LOQ
3-Methylpentane	30	30	< LOQ	Acetone	500	200	< LOQ
Acetonitrile	100	100	< LOQ	Anisole	5000	500	< LOQ
Benzene	1.0	1.0	< LOQ	Butanes	500	400	< LOQ
n-Butane	500	200	< LOQ	Chloroform	1.0	1.0	< LOQ
Cyclohexane	3880	200	< LOQ	Dimethyl sulfoxide (DMSO)	5000	500	< LOQ
Ethanol	500	200	< LOQ	Ethyl acetate	400	200	< LOQ
Ethyl benzene	200	200	< LOQ	Ethyl ether	500	200	< LOQ
Ethyl formate	5000	500	< LOQ	Ethylene glycol	620	200	< LOQ
Ethylene oxide	1.0	1.0	< LOQ	Hexanes	150	150	< LOQ
n-Heptane	500	200	< LOQ	n-Hexane	30	30	< LOQ
Isobutyl acetate	5000	500	< LOQ	Isopropyl acetate	310	200	< LOQ
Isopropylbenzene (Cumene)	70	30	< LOQ	Methanol	250	200	< LOQ
Methyl acetate	500	500	< LOQ	Methyl-t-butyl ether	5000	500	< LOQ
Methylene chloride	1.0	1.0	< LOQ	Methylisobutylketone	4500	500	< LOQ
Methylpropane (Isobutane)	500	200	< LOQ	N,N-Dimethylacetamide	1090	200	< LOQ
N,N-Dimethylformamide	880	200	< LOQ	n-Pentane	500	200	< LOQ
n-Propanol	500	500	< LOQ	Pentanes	750	600	< LOQ
Propane	500	200	< LOQ	Propyl acetate	500	500	< LOQ
Pyridine	100	50	< LOQ	Sulfolane	160	50	< LOQ
Tetrahydrofuran	250	100	< LOQ	Toluene	150	100	< LOQ
Total Residual Solvents	5000	5000	< LOQ	Total Xylenes	400	400	< LOQ
Total Xylenes and Ethyl benzene	600	600	< LOQ	Trichloroethylene	1.0	1.0	< LOQ
Triethylamine	5000	500	< LOQ				

Reviewed by Graham Wiklund

Date: 04/22/2025

Disclaimer:

This Certificate of Analysis contains results provided by ISO 17025 certified contract laboratories external to True Terpenes, as well as results determined by validated method in True Terpenes' internal laboratory. This document does not relieve the purchaser from any responsibility for conducting their own tests in order to verify the suitability of this product for their application and to comply with all relevant legal requirements for any goods into which this product is incorporated. True Terpenes certifies that this product is not derived from cannabis nor does it contain any cannabinoids or other cannabis-derived extracts. The "max allowed" limits in this Certificate of Analysis are reflective of True Terpenes' internal specifications and may not be inclusive of all compound regulations in your region for your finished product type.

The Recommended Use By Date is based on a representative study which has shown stability of color, odor, solvents, and terpene profile throughout the defined period under advised storage conditions. Addition of our product as an ingredient at any point until the recommended use by date should provide a consistent experience. This date is guidance based on optimum storage conditions; exposure to oxygen, light, heat, extreme cold, or other unanticipated conditions may result in degradation of the terpenes prior to the end of the stated recommended use by date. Any directions on the product label to refrigerate during storage should be followed. Botanically derived and/or synthetic compounds found in this product may contain trace compounds which can potentially result in a slight variance between lots.

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