



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Juniper Berry - Organic
LATIN NAME	<i>Juniperus communis</i>
COUNTRY OF ORIGIN	Nepal
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Berries
USE	Aromatherapy, Natural Perfumery, Incense

SKU	476
LOT #	17
MANUFACTURING DATE	August 2021
RETEST	August 2024

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.848 – 0.872	0.8784
REFRACTIVE INDEX @20°C	1.470 – 1.485	1.4747
OPTICAL ROTATION @20°C	-15° to +20°	na

PHYSICAL APPEARANCE	Transparent oil	Conforms
COLOR	Colorless to pale yellow	Conforms
ODOR	Sweet, fresh, woody-balsamic coniferous like odor.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

COMPONENTS	% RANGE	%	COMPONENTS	% RANGE	%
ALPHA-PINENE	na	50.08	BORNYL ACETATE	na	0.66
LIMONENE *	na	25.31	ALPHA-DUPREZIANENE	na	0.13
CEDROL	na	7.80	BETA-ELEMENE	na	0.09
MYRCENE ⁶⁵	na	2.67	BETA-CARYOPHYLLENE	na	0.34
BETA-FUNEBRENE	na	1.87	BETA-DUPREZIANENE	na	0.09
TRICYCLEN	na	0.20	2-EPI-BETA-FUNEBRENE	na	0.28
ALPHA-THUJENE	na	0.11	GAMMA-ELEMENE	na	0.22
ALPHA-FENCHENE	na	0.08	CIS-THUJOPSENE	na	0.31
CAMPHENE	na	0.29	TRANS-BETA-FARNESENE	na	0.12
THUJA-2,4(10)-DIENE	na	0.29	ALPHA-HUMULENE	na	0.20
SABINENE	na	0.14	ALPHA-ACORADIENE	na	0.07
BETA-PINENE	na	0.95	BETA-ACORADIENE	na	0.12
3-ETHENYL-1,2-DIMETHYL-1,4-CYCLOHEXADIENE	na	0.05	TRANS-CADINA-1(6),4-DIENE	na	0.23
DELTA-3-CARENE	na	0.34	GERMACRENE D	na	0.27
GAMMA-TERPINENE	na	0.20	BETA-ALASKENE	na	0.09
PINOL	na	0.05	ALPHA-MUUROLENE	na	0.17
TERPINOLENE	na	0.51	CUPARENE + BETA-ALASKENE	na	0.22
PARA-CYMENENE	na	0.20	ALPHA-ALASKENE	na	0.46

ALPHA-CAMPHOLENAL	<i>na</i>	0.17		GAMMA-CADINENE	<i>na</i>	0.35
TRANS-PINOCAMPHONE	<i>na</i>	0.07		DELTA-CADINENE	<i>na</i>	0.57
BORNEOL	<i>na</i>	0.13		BETA-SESQUIPELLANDRENE	<i>na</i>	0.06
PARA-1,8-MENTHADIEN-4-OL	<i>na</i>	0.06		ALPHA-CADINENE	<i>na</i>	0.08
TERPINEN-4-OL	<i>na</i>	0.42		GERMACRENE B	<i>na</i>	0.13
PARA-CYMEN-8-OL	<i>na</i>	0.13		CARYOPHYLLENE OXIDE	<i>na</i>	0.07
ALPHA-TERPINEOL	<i>na</i>	0.25		ALLO-CEDROL	<i>na</i>	0.50
VERBENONE	<i>na</i>	0.18		ALPHA-CADINOL	<i>na</i>	0.11
CARVONE	<i>na</i>	0.07		CEDRYL ACETATE	<i>na</i>	0.09
MANOYL OXIDE	<i>na</i>	0.10		ABIETATRIENE	<i>na</i>	0.06
4-EPI-ABIETAL	<i>na</i>	0.13				
<i>* EU Allergen ⁶⁵=Prop 65</i>						

COMMENTS	Odor quality is excellent.
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This Essential Oil is an authentic natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

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