



CERTIFICATE of ANALYSIS (COA)

Juniper Berry - Organic (SKU 476 lot 14)

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

ANALYZED	October 2, 2020
MANUFACTURED	May 1, 2020
RETEST	May 1, 2023

SPECIFIC GRAVITY @ 20C	0,87
REFRACTIVE INDEX @ 20C	1,48
OPTICAL ROTATION @ 20C	n/a

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

COMMENTS	
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COMPONENT	Actual %	CAS
alpha-Pinene	31,64%	80-56-8
delta-3-Carene	26,56%	13466-78-9
Limonene ²	14,05%	138-86-3
Myrcene ¹	12,47%	123-35-3
Terpinolene	2,41%	586-62-9
alpha-Fenchene	1,48%	471-84-1
Sabinene	1,21%	3387-41-5
delta-Cadinene	1,07%	16729-01-4
Cedrol	0,98%	77-53-2
beta-Pinene	0,89%	127-91-3
Cadina-3,5-diene	0,68%	267665-20-3
trans-Cadina-1(6),4-diene	0,49%	20085-11-4
trans-Muurolo-4(14),5-diene	0,48%	54324-03-7
para-Cymene	0,47%	99-87-6
gamma-Terpinene	0,44%	99-85-4
alpha-Thujene	0,42%	2867-05-2
Zonarene	0,35%	41929-05-9

alpha-Terpinene	0,34%	99-86-5
Abietadiene	0,27%	35241-40-8
alpha-Muurolene	0,24%	31983-22-9
Germacrene B	0,24%	15423-57-1
Terpinen-4-ol	0,22%	562-74-3
beta-Funebrene	0,18%	79120-98-2
Bornyl acetate	0,17%	76-49-3
Elemol	0,17%	639-99-6
Thuja-2,4(10)-diene	0,17%	36262-09-6
Caryophyllene(E-)	0,16%	13877-93-5
Germacrene D	0,15%	23986-74-5
gamma-Cadinene	0,15%	39029-41-9
Tricyclene	0,12%	508-32-7
gamma-Elementene	0,11%	29873-99-2
Italicene	0,10%	94535-52-1
alpha-Cubebene	0,10%	17699-14-8
Allo-cedrol	0,10%	50657-30-2
gamma-Muurolene	0,10%	30021-74-0
m-Camphorene	0,07%	20016-73-3
alpha-Humulene	0,06%	6753-98-6
cis-Cadina-1,4-diene	0,04%	29837-12-5
beta-Elementene	0,03%	515-13-9
alpha-Copaene	0,03%	3856-25-5
alpha-Phellandrene	0,03%	99-83-2
cis-Thujopsene	0,02%	470-40-6
alpha-Cadinol	0,02%	481-34-5
alpha-Campholenal	0,02%	4501-58-0
trans-Pinocarveol	0,02%	547-61-5
delta-Elementene	0,02%	20307-84-0
Total Deleted Low Purity Peaks	0,11%	
Not Identified Peaks	0,31%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 476 lot 14

