



An Introduction and Products Profile of Khaptad Aroma Industries

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Introduction

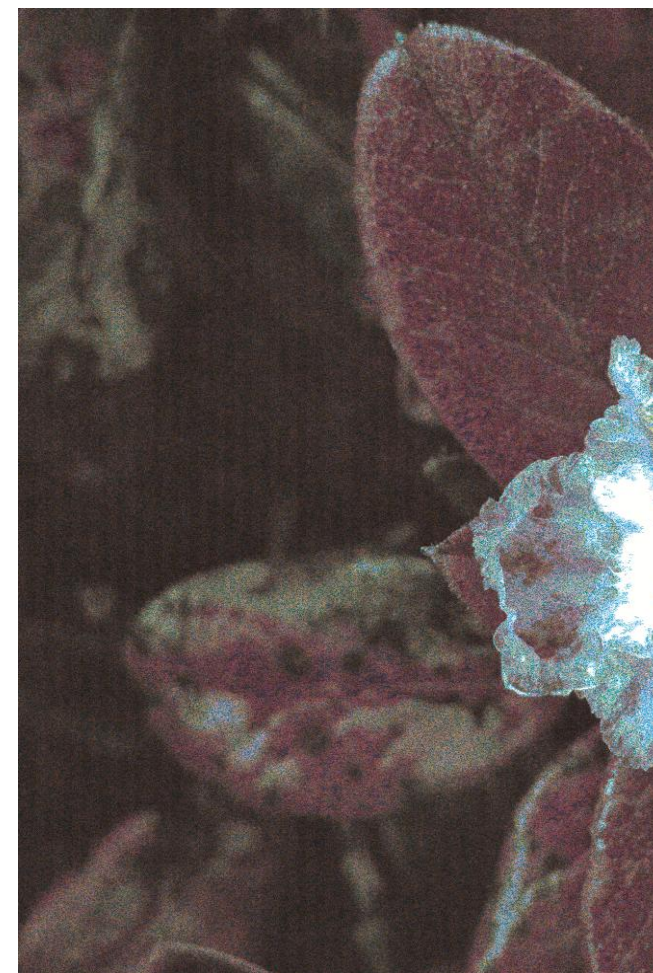
Khaptad Aroma Industries (KAI) is a cultivator and processor of Medicinal and Aromatic Plants (MAPs) established in 2001 . KAI works in partnership with the Community Farmers User's Groups (CFUGs) of Gorkaha, district Nepal for the sustainable collection and harvesting of MAPs. KAI is a leader in processing and providing the pure quality essential oil in Nepal.

Our well-equipped manufacturing unit is located in Godawari, Lalitpur where we distill all kinds of natural essential oils and spice oils. Our products are dispatched to the customers only after extreme quality test to fulfil their need of quality product because we believe in quality products and our motto is customer satisfaction.

Major Products

Organic Anthopogon Oil (*Rhododendron anthopogon* D. Don)

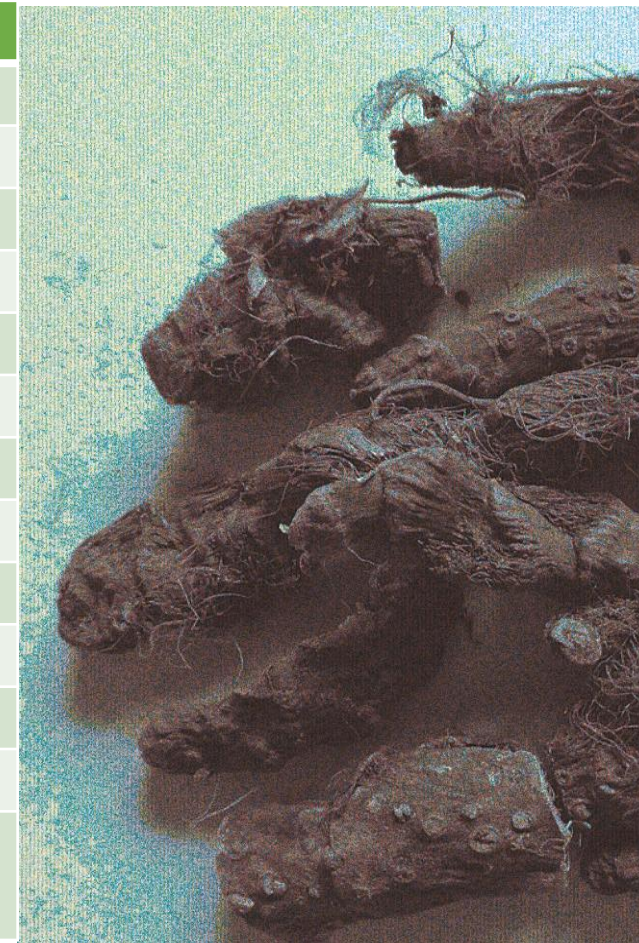
CAS NO.	8006-90-4
FEMA NO.	2848
Appearance:	A fluid liquid
Color:	Pale Yellow
Odor:	Sweet herbal, faintly balsamic.
Refractive Index:	1.487 at 20.3°C
Optical Rotation:	-5.9 at 25.5°C
Specific Gravity:	0.8960 at 18.4°C
Flash Point:	66°C
Quality:	100% Pure & Natural
Solubility:	Soluble in ethyl alcohol but insoluble in water.
Acid Value:	2.659
Ester Value:	11.32
Ester Value after Acetylation	37.592



Major Products

Organic Calamus Oil (*Acorus Calamus*),

CAS NO.	8015-79-0
EINECS NO.	283-869-0
FEMA NO.	8016-63-5
Appearance:	Slight viscous liquid
Color:	Yellow to yellowish brown
Odor:	Floral herbaceous, rooty, earthy & spicy
Refractive Index:	1.556 at 25°C
Specific Gravity:	1.0862 at 25°C
Flash Point:	74°C
Quality:	100% Pure & Natural
Solubility:	Soluble in ethyl alcohol but insoluble in water.
Acid Value:	1.2
Ester Value:	2.2
Ester Value after Acetylation	50.9



Major Products

Organic Juniper Oil (*Juniperus communis* L.),

CAS NO.	8002-68-4
FEMA NO.	2848
Appearance:	A mobile liquid
Color:	Water white or pale yellow
Odor:	Sweet, fresh, woody- balsamic
Refractive Index:	1.478-1.481 at 25°C
Optical Rotation:	6.03-11.7
Specific Gravity:	0.8664-0.8745 at 25°C
Flash Point:	44°C
Solubility:	Soluble in alcohol and oils but insoluble in water.
Acid Value:	0.2-2.5
Ester Value:	5.5-16
Ester Value after Acetylation	17-40



Major Products

Organic Spikenard Oil (*Nardostachys grandiflora* DC.),

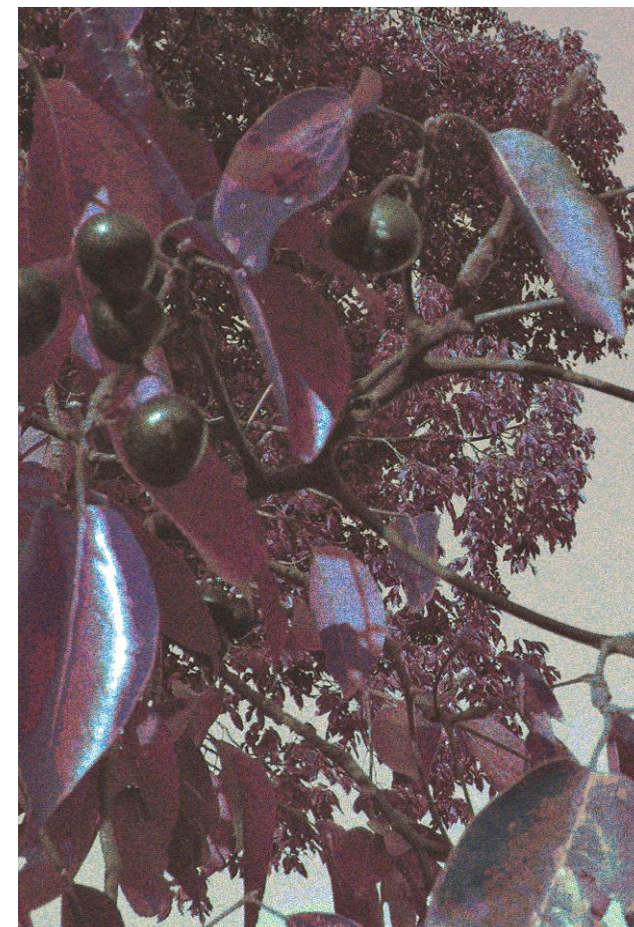
CAS NO.	90064-28-1
EINECS NO.	290-089-4
FEMA NO.	3033
NAFTA NO.	3301.29.6000
Appearance:	Fluid to slightly viscous liquid
Color:	Varies from amber to deep blue or greenish blue
Odor:	Heavy, sweet-woody and spicy-animal odor
Refractive Index:	1.509 at 25°C
Optical Rotation:	1.77 at 25°C
Specific Gravity:	0.9494 at 25°C
Flash Point:	83°C
Solubility:	Insoluble in water, soluble in ethyl alcohol
Acid Value:	3.3-7.1
Ester Value:	35.8
Ester Value after Acetylation	17.1



Major Products

Organic Sugandha Kokila Oil (*Cinnamomum glaucescenes*)

CAS NO.	8007-48-5
Appearance:	A fluid liquid
Color:	Golden yellow
Odor:	camphoraceous, spicy
Refractive Index at 25 °C	1.493
Optical Rotation at 25°C	(-) 8.350
Specific Gravity at 25°C	0.9391
Flash Point:	50°C
Quality:	100% Pure & Natural
Solubility:	Soluble in alcohol and fixed oils but insoluble in water.
Acid Value:	2.4
Ester Value:	62.2
Ester Value after Acetylation	131.7



Major Products

Organic Wintergreen Oil (*Gaultheria fragrantissima* Wal)

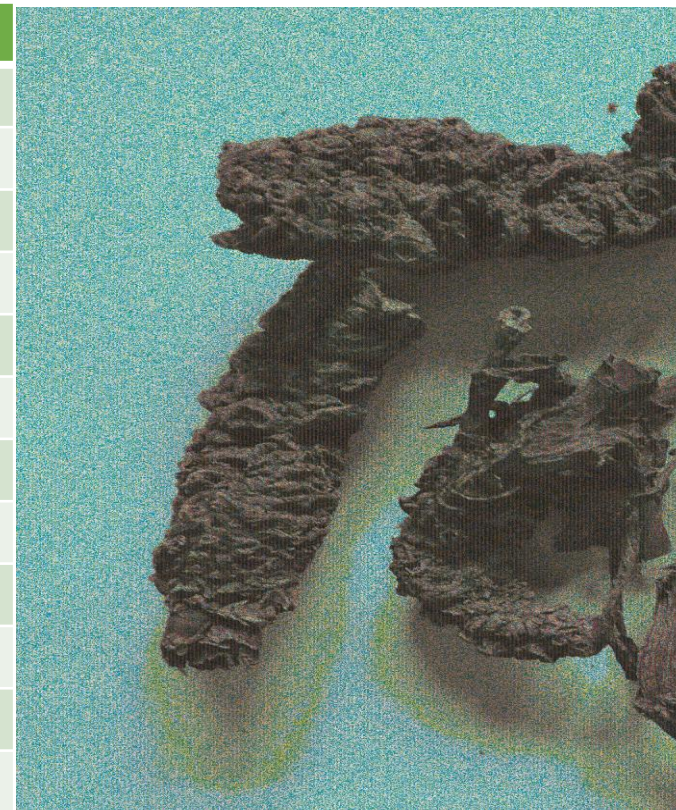
CAS NO.	68917-75-9
EINECS NO.	289-888-0
FEMA NO.	3113
NAFTA NO.	3301.29.6000
Appearance:	Fluid liquid
Color:	Pink to red
Odor:	Characteristics intense sweet woody odor with flowery odor;
Refractive Index:	1.531 - 1.545 at 25°C
Optical Rotation:	(-) 1.03- (-) 3.44
Specific Gravity:	1.1645 - 1.1821 at 25°C
Flash Point:	95°C
Solubility:	Soluble in oil and alcohol but insoluble in water.
Acid Value:	1.5-5.5
Ester Value:	270-335
Ester Value after Acetylation	331-451



Major Products

Organic Valerian Oil (*Valeriana jatamansi* Jones)

CAS NO.	8008-88-6, 90131-89-8
EINECS NO.	290-405-0
FEMA NO.	3100
Appearance:	A mobile liquid
Color:	Olive to brown
Odor:	Warm-woody, balsamic, musky top note in fresh oil
Refractive Index:	1.427 at 25.9°C
Specific Gravity:	0.9441 at 20°C
Flash Point:	66°C
Quality:	100% Pure & Natural
Solubility:	Soluble in alcohol and oils but insoluble in water.
Acid Value:	319.43
Ester Value:	5.9228



Certifications

- KAI essential oil are certified by OnceCert International.





ORGANIC
INTEGRITY DATABASE 

Operation Profile (2580003303) updated on 1/10/2022

This Operation Profile was generated by the USDA Agricultural Marketing Service National Organic Program. Additional up-to-date details about certified products can be found online in the INTEGRITY Operation Profile through the QR Code or URL printed at the bottom of this page, or by contacting the Certifier directly.



Operation Information

Operation Name:	Khaptad Aroma Industries
Operation Status:	Certified
Status Effective Date:	7/16/2016
Certifier:	[ONE] OneCert, Inc.
NOP ID:	2580003303
Certifier Client ID:	3303
Other/Former Names:	N/A
NOP Anniversary Date:	4/19/2022
Business Types/Service:	--
Additional Info:	Certified in accordance with the terms of the US-Canada Organic Equivalency Arrangement.

Scope and Product Summary

Scope	Status	Effective Date	Certified Products
WILD CROPS	Certified	7/16/2016	Other: Artemisia (Artemisia Vulgaris), Calamus (Acorus Calamus), Cedarwood (Cedrus deodora), Chirata (Swertia Chirayita), Cinnamon Leaf (Cinnamomum Albiflorum), Eucalyptus (Eucalyptus Globulus), Ginger (Zingiber officinale), Holy Basil (Ocimum Tenuiflorum), Juniper (Juniperus Communis/Juniperus Indica), Kachur (Curcuma Zedoaria), Rhododendron (Rhododendron Anthopogon), Spikenard (Nardostachys Grandiflora), Sugandhwal (Valeriana Wallichii), Turmeric (Curcuma Spp), Wintergreen (Gaultheria Fragrantissima), Zanthoxylum (Zanthoxylum Armatum)

Contact Information

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Printed 16/01/2022 Page 1 of 1 <http://organic.ams.usda.gov/integrity/CP/OPP.aspx?cid=60&nopid=2580003303>



MAPs cultivation training field practical in Gorkha, Nepal



Sustainable Harvesting of MAPs

- KAI provides training to Head Collectors for sustainable harvesting of MAPs
- 10 head collectors in the Gorkha site, and more than 50 collectors works under the head collectors.



Sustainable Harvesting of MAPs



Transporting MAPs from Gorkha to KAI processing unit, Lalitpur



Processing of MAPs

- Essential oil is extracted by steam distillation.



Processing of MAPs-video clips



Packaging of MAPs

- Essential oil are packed in a aluminum container.
- Stored in a cool and dry place, away from sunlight.
- For export the aluminum container is covered with plywood box.





THANK YOU.