

AGRONOVA

ESSENTIAL OILS AND HYDROLATES

Spring 2022

All essential oils and hydrolates are produced with Agronova's advanced processing systems and laboratory equipment, harvested from cultivated or gathered from wild plants in Ångermanland (Sweden) or from selected international partners.

Essential oils are 100% authentic and produced via steam distillation from respective species/cultivars. Extraction is exclusively done by the usage of Agronova's essential oil processing systems. The oils are filtered before shipment. Shelf life: 3-4 years in sealed containers and stored in cold/dark environment.

The hydrolates (hydrosols) are 100% authentic and derived from steam distillation of respective species/cultivars. This is a natural by-product produced during distillation and should not be confused with mixtures of essential oil droplets and water, frequently found on the Internet and marketed as "floral waters". Part of the oxygenated components of the essential oils, which are highly aromatic, become soluble in water due to their ability to make hydrogen bonds. Genuine hydrolates also contain water-soluble alcohols which may contribute significantly to the scent and aroma profile. The amount of soluble aromatics is significantly lower in the hydrolate phase compared to the equivalent essential oil, and, therefore, represents a lower risk of potential sensitivity when used in skin care products.

Hydrolates to be used in skin care products only can be shipped with preservative added ($\leq 1.5\%$ w/w; Optiphen Plus), which is paraben and formaldehyde-free, to improve shelf-life. Please notify us when you order any hydrolate product if you want the preservative added or not.

Hydrolates to be used as flavour-ingredient is not shipped with any preservative. Shelf-life: ca. 6 months in sealed containers stored in a cold/dark environment.

All cultivated crops are controlled and certified by SMAK/KRAV, apart from *Helichrysum italicum* and *Boswellia sp.*, which are produced/gathered in Bosnia-Herzegovina (organic certification) and northern Kenya respectively, but distilled with the Agronova essential oil processing systems.

If you are interested in specific & unique nordic essential oils/hydrolates not listed by us, please make contact to find out if we can provide support. The earlier we receive any such inquiries the better it is as essential oil/hydrolate production is dependent on proper planning ahead.

Agronova can offer vacuum-distilled essential oils and hydrolates in small batches, produced by an advanced laboratory distillation setup. Vacuum distillation generally leads to end-products with less heat-induced artefacts due to reduced steam equilibrium temperature and the aroma profile can include enhanced fruity notes. Please make an inquiry if you are interested to order vacuum-distilled products.

Freight cost is not included.
Check availability before ordering.

Please make contact to receive information about possible discounts if you are interested in large quantities (> 1000 ml essential oil/10 L hydrolates).

Ordering and contact: anders@agronova.se

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Office: +46 611 64045

Web site: www.agronova.se

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Essential oils

Product/ Origin	Common name (fraction)	Scientific name	Volume	Organic certification	Price (incl. Swedish VAT)	Price (excl. Swedish VAT)
Angelica root oil (Sweden)	Angelica, (root)	<i>Angelica archangelica L.</i>	5 ml	Yes	400 SEK	320 SEK
			10 ml	Yes	545 SEK	436 SEK
			50 ml	Yes	2240 SEK	1792 SEK
Angelica seed oil (Sweden)	Angelica, (seed)	<i>Angelica archangelica L.</i>	5 ml	Yes	400 SEK	320 SEK
			10 ml	Yes	545 SEK	436 SEK
			50 ml	Yes	2240 SEK	1792 SEK
			100 ml	Yes	3840 SEK	3072 SEK
			500 ml	Yes	16000 SEK	12800 SEK
			1000 ml	Yes	28000 SEK	22400 SEK
Frankincense oil (Kenya)	Frankincense (resin)	<i>Boswellia sp.</i>	5 ml	N/A	200 SEK	160 SEK
			10 ml		272 SEK	217,60 SEK
			50 ml		1120 SEK	896 SEK
			100 ml		1920 SEK	1536 SEK
			1000 ml		14000 SEK	11200 SEK
Helichrysum oil (Bosnia- Hercegovina)	Helichrysum (leaves/ flowers)	<i>Helichrysum italicum</i>	5 ml	Yes	Price on demand	Price on demand
			10 ml			
			100 ml			
			1000 ml			
Lovage oil (Sweden)	Lovage, (leaves/stalks)	<i>Levisticum officinale</i>	5 ml	Yes	270 SEK	216 SEK
Norway spruce oil (Sweden)	Norway spruce, (needles)	<i>Picea Abies (L.) H. Karst</i>	5 ml	Wildcrafted, Sweden	250 SEK	200 SEK
			10 ml		340 SEK	272 SEK
			50 ml		1400 SEK	1120 SEK
			100 ml		2400 SEK	1920 SEK
			500 ml		10000 SEK	8000 SEK
			1000 ml		17500 SEK	14000 SEK
Pacific silver fir oil (Sweden)	Pacific silver fir (needles)	<i>Abies amabilis</i>	5 ml	Wildcrafted, Sweden	280 SEK	224 SEK
			10 ml		380,80 SEK	304,64 SEK
			100 ml		3136 SEK	2508,80 SEK
Peppermint oil (Sweden)	Peppermint, (leaves/ flowers)	<i>Mentha x piperita L.</i>	5 ml	Yes	150 SEK	120 SEK
			10 ml		250 SEK	200 SEK
Pine oil (Sweden)	Pine, (needles)	<i>Pinus sylvestris L.</i>	5 ml	Wildcrafted, Sweden	250 SEK	200 SEK
			10 ml		340 SEK	272 SEK
			50 ml		1400 SEK	1120 SEK
			100 ml		2400 SEK	1920 SEK
			500 ml		10000 SEK	8000 SEK
			1000 ml		17500 SEK	14000 SEK

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Hydrolates/Hydrosols						
Product/ Origin	Common name (fraction)	Scientific name	Volume	Organic certification	Price (incl. Swedish VAT)	Price (excl. Swedish VAT)
Angelica seed hydrolate (Sweden)	Angelica (seed)	<i>Angelica archangelica L.</i>	100 ml 200 ml 500 ml 1000 ml	Yes	120 SEK 156 SEK 300 SEK 420 SEK	104 SEK 124,80 SEK 240 SEK 336 SEK
Birch leaf hydrolate (Sweden)	Birch (leaves)	<i>Betula pendula/ Betula pubescens</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	120 SEK 156 SEK 300 SEK 420 SEK	104 SEK 124,80 SEK 240 SEK 336 SEK
Black currant hydrolate (Sweden)	Black currant, (leaves)	<i>Ribes nigrum L.</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	150 SEK 195 SEK 375 SEK 525 SEK	120 SEK 156 SEK 300 SEK 420 SEK
Cloudberry hydrolate (Sweden)	Cloudberry (berries/seeds)	<i>Rubus chamaemorus L.</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	160 SEK 208 SEK 400 SEK 560 SEK	128 SEK 166,40 SEK 320 SEK 448 SEK
Frankincense (Kenya)	Frankincense (resin)	<i>Boswellia sp.</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	60 SEK 78 SEK 150 SEK 210 SEK	48 SEK 62,40 SEK 120 SEK 168 SEK
Lovage hydrolate (Sweden)	Lovage, (leaves/stalks)	<i>Levisticum officinale</i>	100 ml 200 ml 500 ml 1000 ml	Yes	120 SEK 156 SEK 300 SEK 420 SEK	104 SEK 124,80 SEK 240 SEK 336 SEK
Marsh Labrador tea hydrolate (Sweden)	Marsh Labrador tea, (leaves)	<i>Rhododendron tomentosum</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	160 SEK 208 SEK 400 SEK 560 SEK	128 SEK 166,40 SEK 320 SEK 448 SEK
Meadosweet (Sweden)	Meadowsweet flowers/ leaves	<i>Filipendula ulmaria L.</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	150 SEK 195 SEK 375 SEK 525 SEK	120 SEK 156 SEK 300 SEK 420 SEK
Norway spruce hydrolate (Sweden)	Norway spruce, (needles)	<i>Picea Abies (L.) H. Karst</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	60 SEK 78 SEK 150 SEK 210 SEK	48 SEK 62,40 SEK 120 SEK 168 SEK
Peppermint hydrolate (Sweden)	Peppermint, (leaves/ flowers)	<i>Mentha x piperita L.</i>	100 ml 200 ml	Yes	80 SEK 104 SEK	64 SEK 83,20 SEK
Pine hydrolate (Sweden)	Pine, (needle)	<i>Pinus sylvestris</i>	100 ml 200 ml 500 ml 1000 ml	Wildcrafted	60 SEK 78 SEK 150 SEK 210 SEK	48 SEK 62,40 SEK 120 SEK 168 SEK

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Hydrolates/Hydrosols

Product/ Origin	Common name (fraction)	Scientific name	Volume	Organic certification	Price (incl. Swedish VAT)	Price (excl. Swedish VAT)
Sweet Gale (Sweden)	Sweet Gale, shoots	<i>Myrica gale</i> <i>L.</i>	100 ml	Wildcrafted	150 SEK	120 SEK
			200 ml		195 SEK	156 SEK
			500 ml		375 SEK	300 SEK
			1000 ml		525 SEK	420 SEK

CERTIFIKAT

Agronova
Kundnr: 34732

Rö 166, 870 15 Utansjö

KRAV kundnr: K1629298 **Organisationsnummer:** 541008-7216

Verksamheten står under kontroll och uppfyller Regler för KRAV-certifierad produktion utgåva 2018:1
Kapitel 4 Växtodling samt EU-förordning 834/2007 med tillämpningsförfordningar.

Växtodling
Gröngödsling, Trädgårdsväxter

Jane Skytt

Jane Skytt
Certifieringsansvarig



Akkred. nr. 1811
Produktcertifiering
ISO/IEC 17065



Certifikatet giltigt till	2020-03-01
Certifieringsdatum	2019-02-17
Revisionsdatum	2018-10-03
Revisor	Jonathan Clark

Certifikatet är giltigt under förutsättning att produktionen fortsatt står under kontroll av SMAK Certifiering AB. Ni kan överklaga certifieringsbeslutet. Överklagande av beslut som tar stöd i KRAV:s regler ska överklagas till SMAK Certifiering AB, Box 42, 230 53 Alnarp. Överklagande av beslut som tar stöd i EU:s förordningar ska överklagas till Länsstyrelsen Skåne, 291 86 KRISTIANSTAD. Överklagande ska ha inkommit senast tre veckor efter att ni har mottagit detta beslut.

Certifieringsorgan: SE-EKO-03

SMAK Certifiering AB · Box 42, 230 53 Alnarp · Telefon: 040-46 00 72 · Epost: certifiering@smak.se · www.smak.se