



NHR ORGANIC OILS
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Product Specification
Organic Yarrow Essential Oil
(Achillea millefolium)

Product name:	YARROW ESSENTIAL OIL
INCI:	Achillea millefolium Oil
CAS number:	8022-07-9
EC number:	289-030-6
FEMA number:	3117
HS Code:	3301 29 41
FOOD GRADE:	FDA Regulation: PART 172 -- FOOD ADDITIVES PERMITTED FOR DIRECT ADDITION TO FOOD FOR HUMAN CONSUMPTION. Sec. 172.510 Natural flavoring substances and natural substances used in conjunction with flavors. IOFI: listed in Part 2 of the IOFI GRL as natural complex substance that have undergone a safety evaluation and have been reviewed and determined to be safe for flavor use in food
COE:	12
Cosmetics grade:	Compliant with Cosmetics regulations; IFRA certificate / Allergens table, etc. available
Quality:	Organic certified
Classification:	Natural substance
Authenticity:	100% pure and natural product
Part of plant used:	Fresh flowering plant
Method of manufacture:	Steam distillation

Appearance:	Transparent liquid
Colour:	Clear to yellow and yellow-green, or green-blue, light blue to deep rich blue
Aroma:	Spicy, sweet, with herbaceous camphor note
<u>PHYSICO-CHEMICAL INDICES:</u>	
Relative density, g/cm³:	From 0.890 to 0.937
Refractive index (25 °C):	From 1.4700 to 1.4790
Optical rotation (20 °C), °:	From -10.0 to -6.8
Acid value, mg KOH/g:	Not more than 10.0
Ester value, mg KOH/g:	More than 20
Ester value after acetylating p mg KOH/g:	From 80 to 150
Contents of bound alcohols such as cineol, %:	From 4.6 to 15.9
Contents of free alcohols such as cineol, %:	From 16.0 to 25.23
Storage:	Keep in well-sealed containers at 5 – 20 °C, away from sources of heat and direct light.