

# Product Information

## Product Data Sheet

### ALPAFLOR® SAMBUCUS AO

Product code: 5037514

#### Description

ALPAFLOR® SAMBUCUS AO is an extract from the organically cultivated Swiss Alpine plant elder (*S. nigra* L.) for cosmetic application.

ALPAFLOR® SAMBUCUS AO is certified organic by COSMOS, NATRUE and Fair Trade certified according to the Fair for Life standard.

#### Product identification

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#### Composition

INCI name	Content	CAS No.	EINECS/ELINCS
<b>Sambucus Nigra Flower Extract</b> <sup>1)</sup>	1-5%	84603-58-7	283-259-4
<b>Glycerin</b>	> 50%	56-81-5	200-289-5
<b>Aqua</b>	25-50%	7732-18-5	231-791-2
<b>Citric Acid</b>	0.1-1%	77-92-9	201-069-1
<b>Sodium Benzoate</b> <sup>2)</sup>	0.1-1%	532-32-1	208-534-8
<b>Potassium Sorbate</b> <sup>2)</sup>	0.1-1%	24634-61-5	246-376-1

<sup>1)</sup> Fair Trade certified by Fair for Life

<sup>2)</sup> Regulated as preservative in cosmetics in some countries, e.g. Europe, China, Japan

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### Specifications

<b>Appearance:</b>	clear to slightly opalescent, yellow to brown colored, slightly viscous liquid with characteristic odor
<b>Identity by UHPLC:</b>	comparable chromatogram to that of internal reference standard
<b>pH:</b>	3.5 - 5.0
<b>Relative density d<sub>20/20</sub>:</b>	1.100 - 1.250
<b>Refractive Index n<sub>25</sub>:</b>	1.418 - 1.438
<b>Flavonoids by UHPLC:</b> (calculated as rutin)	≥ 70 mg / 100 g
<b>Total Viable Aerobic Count:</b>	
- Total Aerobic Microbial Count (TAMC):	≤ 100 CFU / g
- Total Yeasts/Molds Count (TYMC):	≤ 100 CFU / g
<b>Specified microorganisms:</b>	Absence in 1g

### Solubility

ALPAFLOR® SAMBUCUS AO is soluble in water.

### Stability and Storage

ALPAFLOR® SAMBUCUS AO may be stored for at least 36 months from the date of manufacture in the unopened original container protected from light in a clean place and at a temperature between 15 and 25°C. The 'Best use before' date is printed on the label. Keep package tightly closed. Once opened, use contents quickly. In order to avoid secondary microbial contamination, following opening, containers should be handled with special care.

### Uses

ALPAFLOR® SAMBUCUS AO is a plant extract for cosmetic products. It can be processed either warm (< 60°C) or cold and should be incorporated at the end of a cosmetic formulation. For skin care preparations, the addition of 1 to 3% ALPAFLOR® SAMBUCUS AO is recommended.

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### Certifications

#### Fair for Life:

ALPAFLOR® SAMBUCUS AO: 20.56% of the total ingredients are Fair Trade certified according to the Fair for Life standard available at [www.fairforlife.org](http://www.fairforlife.org)

#### COSMOS

ALPAFLOR® SAMBUCUS AO: Certified as 20.56% organic by Ecocert Greenlife according to COSMOS Standard available at <http://cosmos.ecocert.com>.  
99.55% of the total ingredients are from Natural Origin

#### NATRUE

ALPAFLOR® SAMBUCUS AO complies with the NATRUE criteria  
5% Natural (91% Organic), 26% Water, 68% Derived natural, 0.45% Nature-identical

### Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

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#### Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

DSM Nutritional Products Ltd Product Management Building 241 PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 8899 Internet <a href="http://www.dsmnutritionalproducts.com">www.dsmnutritionalproducts.com</a>
DSM Nutritional Products LLC 45 Waterview Boulevard Parsippany, NJ 07054-1298	Tel.: +1 (800) 526 0189 (Human Nutrition, Personal Care) Tel.: +1 (800) 451-8325 (Animal Nutrition) Internet <a href="http://www.unlimitednutrition-na.dsm.com">www.unlimitednutrition-na.dsm.com</a>
DSM Nutritional Products Europe Ltd. PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 7777 Internet <a href="http://www.unlimitednutrition-eu.dsm.com">www.unlimitednutrition-eu.dsm.com</a>
DSM Singapore Industrial Pte Ltd. trading as DSM Nutritional Products Asia Pacific 30 Pasir Panjang Road #13-31 Mapletree Business City Singapore 117440	Tel.: + (65) 66326500 Internet <a href="http://www.dsmnutritionalproducts.com">www.dsmnutritionalproducts.com</a>
DSM Nutritional Products China No. 476, Li Bing Road Zhangjiang High-Tech Park Pudong Area, Shanghai 201203 P.R. of China	Tel.: + 86 (0)21 6141 8188 Internet <a href="http://www.dsmnutritionalproducts.cn">www.dsmnutritionalproducts.cn</a>
DSM Produtos Nutricionais Brasil S.A. Avenida Engenheiro Billings, nº 1729 - Prédio 31 Sala A CEP:05321-010 São Paulo - SP Brasil	Tel.: + 55 (11) 3760-6300 Internet <a href="http://www.dsmnutritionalproducts.com">www.dsmnutritionalproducts.com</a>

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