



NHR ORGANIC OILS
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Product Specification

Organic Star Anise Essential Oil

(Illicium verum)

1. General information:	
Article:	Organic Star anise seed oil
TARIC No.:	33012941
Product Type:	Essential Oil
ISO-9235	Corresponds
Declaration:	Organic Star anise oil, natural Star anise oil aroma, nat. aroma
Production:	Star anise seed oil is an essential oil obtained by water steam distillation of the seed of <i>Illicium verum</i> followed by additional rectification.
INCI:	ILLICIUM VERUM FRUIT/SEED OIL
CAS:	8007-70-3 / 84650-59-9
EINECS:	- / 283-518-1
Function:	MASKING, TONIC, ORAL CARE (cosing Data base)
2. Organoleptic parameters:	
Shape:	Liquid
Colour:	Colourless to light yellow
Odor:	Characteristic, reminiscent of anethole.
3. Phys. Parameters:	
Relative density:	0.979 – 0.989 g/cm ³
Refraction index:	1.553 – 1.560
pH-value:	4.0 – 4.5
Optical rotation:	-3 to +5°
4. Average composition:	
cis-Anethole CAS:25679-28-1	0.1– 1 %
trans-Anethole CAS: 104-46-1, 4180-23-8, 50770-19-9; EC: 224-052-0, 203-205-5, 256-753-2	86– 93 %

Estragole CAS:140-67-0, EC:205-427-8	0.6 – 6 %
Limonene CAS:5989-27-5, EC:227-813-5	0.2 – 6 %
Alpha-Pinene CAS: 7785-26-4 , EC: 232-077-	0.1 – 1.5%
Alpha-Phellandrene CAS: 99-83-2, EC: 202-	≤ 0.7%
d,3-Carene CAS: 74806-04-5, EC: 236-719-3	< 1%
Alpha-Terpinene CAS: 99-86-5, EC: 202-795-1	< 0.5%
p-Cymene CAS: 99-87-6, EC: 202-796-7	< 0.5%
1,8-Cineol CAS: 470-82-6, EC: 207-431-5	< 1%
Beta-Phellandrene CAS: 555-10-2, EC: 209-081-9	< 1%
Trans-beta-Ocimene CAS: 3779-61-1, EC: 237-	< 0.3%
Gamma-Terpinene CAS: 99-85-4, EC: 202-794-6	< 1.5%
Terpinolene CAS: 586-62-9, EC: 209-578-0	< 1%
Terpinen-4-ol CAS: 562-74-3, EC: 209-235-5	< 1%
Alpha-Terpineol CAS: 98-55-5, EC: 202-	≤ 0.3%
Anisaldehyde CAS: 123-11-5, EC: 204-602-6	0.1–0.5 %
Cis-alpha-Bergmotene CAS: 13474-59-4, EC: -	0.04 – 0.2%
Beta-Caryophyllene CAS: 87-44-5, EC: 201-746-1	≤0.8%
Trans-alpha-Bergamotene CAS: 13474-59-4, EC: -	0.06 – 0.6%
Beta-Bisabolene CAS: 495-61-4, EC: 610-461-5	< 0.7%

Food grade status:

According to article 14 of EU Directive 178/2002, our product is food grade.

With reference to point 4 of Art. 14 of EU Directive 178/2002, this product is intended to be used as a part of a larger flavoring compound. This product should not be consumed independently. The final user should decide the suitability and concentration of this product appropriate for its specific use.

This certificate was issued electronically and is valid without a signature.