



NHR ORGANIC OILS
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Product Specification
Organic Caraway Seed Essential Oil
(Carum carvi)

1. General information:	
Article:	Organic caraway oil
TARIC No.:	33012941
Product Type:	Essential Oil
ISO-9235	Corresponds
Declaration:	Organic caraway oil, natural caraway oil aroma, nat. aroma
Production:	Organic caraway oil is an essential oil obtained by water steam distillation of the seed of Carum carvi.
INCI:	CARUM CARVI SEED OIL
CAS:	235433-20-2 / 8000-42-8
EINECS:	607-245-8 / -
Function:	FRAGRANCE, PERFUMING (CosIng Data base)
2. Organoleptic parameters:	
Shape:	Liquid
Colour:	Colourless to pale yellow
Odor:	Fresh, herbaceous and spicy
3. Phys. Parameters:	
Relative density:	0.90 – 0.920 g/cm ³
Refraction index:	1.484 – 1.490
Optical rotation:	+67 to +80°
4. Average composition:	
Carvone CAS:99-49-0, EC:202-759-5	50 – 65 %
(-)-Carvon CAS: 6485-40-1, EC: 229-352-5	≤ 1 %
trans-Carveol CAS: 1197-07-5	≤ 2.5 %
Cis-Carveol CAS: 2102-59-2	0.2 – 0.5%
trans-Dihydrocarvon CAS: 5948-04-9	≤ 2.5
Cis-Dihydrocarvone CAS: 3792-53-8	0.1 – 1.5%
Limonene CAS:5989-27-5, EC:227-813-5	35 – 45 %
beta-Myrcen CAS:123-35-3, EC:204-622-5	0.1 – 1.0 %
Linalool CAS: 78-70-6	< 1.0%

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.