

TECHNICAL DATA SHEET (TDS)

Product Name	BLACK PEPPER OIL
Botanical Name	Piper nigrum
Product Code	E233
CAS #	8006-82-4 ; 84929-41-9
FEMA #	2845
EINECS #	284-524-7
INCI Name	Piper Nigrum (Black Pepper) Seed Oil

Part Used	Dried Peppercorn Fruit
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Colorless to pale yellow green colored liquid
Odour	Dry-woody, warm, spicy aroma with subtle floral and fruit notes, reminiscent of ground black pepper
Refractive Index	1.455 - 1.495 @ 20°C
Specific Gravity (g/mL)	0.850 - 0.890 @ 20°C
Optical Rotation (°)	-20° to +4°
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na
Arsenic: As (mg/kg or ppm)	< 2 ppm	na
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na

Disclaimer & Caution: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Aromaeasy provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Aromaeasy, no representation or warranty - expressed or implied - is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Aromaeasy is limited to the value of the goods and does not include any consequential loss. Aromaeasy shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Aromaeasy shall not be responsible for any damages resulting from the use of or reliance upon this information.



AromaEasy

16273 GALE AVE, CITY OF INDUSTRY, CA, 91745. USA

Tel. +1 240.258.7761 E-mail: sales@aromaeasy.com

Website: www.aromaeasy.com

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

Disclaimer & Caution: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. AromaEasy provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of AromaEasy, no representation or warranty - expressed or implied - is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of AromaEasy is limited to the value of the goods and does not include any consequential loss. AromaEasy shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. AromaEasy shall not be responsible for any damages resulting from the use of or reliance upon this information.