



PRODUCT SPECIFICATION SHEET –GARLIC ESSENTIAL OIL

GENERAL INFORMATION			
INCI Name	Allium sativa (garlic) bulb oil		
Botanical source	Allium sativum		
Botanical family	Amaryllidaceae		
Status	Conventional/ Organic		
Part of Plant Used	Bulb		
Production Process	Steam distillation		
Origin	Egypt		
Manufacture	Pure Essential Oils & Herbs Co.		
REGULATORY INFORMATION			
FEMA	2503	EINECS	232-371-1
FDA	182.2	CAS EINECS	8008-99-9
CAS TCSA	8000-78-0	Product Code	PSD00900
PHYSICAL PROPERTIES			
Appearance	Transparent liquid		
Odour/taste	Garlic like, pungent		
Solubility	Insoluble in Water , Soluble in alcohol and fixed oils		
Refractive index @20°C	1.559 - 1.579		
Density @20°C	1.04 - 1.09		
Optical Rotation @20°C	-2 to +4		
Flash point	>100°C		
Shelf Life	24 months		
Uses	Food Additive & Pharmaceutical uses		
PRINCIPAL CHEMICAL CONSTITUENTS (by GC %):			
Propyl methyl sulfide	1.0 – 4.0	di-propyl di-sulfide	20.0 – 30.0
di-propyl sulfide	7.0 – 16.0	Propyl methyl tri-sulfide	5.0 – 29.0
Propyl methyl di-sulfide	2.5 – 6.5		

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

Disclaimer:

The information contained in this specification is based on data considered to be accurate and reliable as at the date of the specification to the best of the supplier's knowledge and belief. It is user's obligation to determine the safe use of the product for its own applications or suitability for use since the conditions of use, handling, storage and disposal are beyond the supplier's control. The user should therefore take all necessary precautions to ensure the safe and suitable use of the product described in the specification

Dr. Emad Taha
Manager Quality Control
Beni-Suef, Egypt

Approved by:	QA MANAGER	Version: 03	Date: 24.06.2020
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PURE ESSENTIAL OILS & HERBS CO.
 KOUM ABOU RADI INDUSTRIAL ZONE- FOOD SECTOR BEHIND JUHAINA FACTORY- ELWASTA- BANI SWAIF EGYPT.

purity@purity-egypt.com
 sales@purity-egypt.com
 info@purity-egypt.com
 +201008687176
 +20822530663