



**PRODUCT SPECIFICATION SHEET - CUMIN OIL NON-FCC QUALITY**

GENERAL INFORMATION			
INCI Name	Cuminum Cyminum (Cumin) Fruit oil		
Botanical source	<u>Cuminum cyminum</u>		
Botanical family	Apiaceae		
Status	Conventional / Organic		
Part of Plant Used	Fruits		
Production Process	Steam distillation		
Description	Cumin Aldehyde must 15-20 and the total aldehyde more than 40-50 % , Physical Properties are NOT necessary to meet the FCC Quality .		
Origin	Egypt		
Manufacture	Pure Essential Oils & Herbs Co.		
REGULATORY INFORMATION			
FEMA	2343	EINECS	283-881-6
FDA	182.2	CAS EINECS	84775-51-9
CAS TCSA	8014-13-9	Product Code	PSD00700
PHYSICAL PROPERTIES			
Appearance	Brownish yellow liquid		
Odour/taste	Strong, warm, spicy, herbaceous odor		
Relative density @ 20°C	0.885 to 0.920		
Refractive index @ 20°C	1.456 to 1.503		
Optical Rotation @ 20°C	+1 to +8		
Solubility	Insoluble in Water , Soluble in alcohol and fixed oils		
Flash point °C	>100°C		
Shelf Life	24 Months		
Uses	Food Additives , Pharmaceutical Uses		
PRINCIPAL CHEMICAL CONSTITUENTS (by GC %):			
Beta- pinene	10 to 18	P-Mentha 1,3-Diene 7 al	10 to 18
Gama –Terpinene	15 to 25	P-Mentha 1,4-Diene 7 al	6 to 13
Cumin aldehyde	15 to 20	Para – Cymene	Less than 9
Total Aldehyde	40 to 50		

**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.

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**Manager Quality Control**  
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Approved by:	<b>QA MANAGER</b>	Version: 03	Date: 24.06.2020
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