



GC-MS Analysis					
<b>Product Name</b>		<b>Aniseed Es.Oil.</b>			
<b>Product Type</b>		<b>Essential oil</b>			
<b>Botanical Name</b>		<b><i>Pimpinella anisum L.</i></b>			
<b>Batch N°</b>		<b>AN2023001B</b>			
<b>Label name</b>		<b>GREEK ANISE ESSENTIAL OIL</b>			
<b>Refractive Index at 20°C</b>		<b>1.570</b>			
<b>Optical Rotation (°)</b>		<b>+1.6°</b>			
<b>Specific Gravity (g/mL) at 20°C</b>		<b>0.990</b>			
<b>Production Date</b>		<b>July 2022</b>			
<b>Shelf Life</b>		<b>5 years</b>			
<b>Origin</b>		<b>Greece</b>			
<b>Cultivation</b>		<b>Conventional</b>			
<b>Production</b>		<b>Steam Distillation</b>			
<b>Plant Part</b>		<b>Seeds</b>			
Time	Compounds	CAS N°	%	Chemical Family	IFRA 49th Restriction
13.63	Alpha-Pinene	80-56-8	1.23	Monoterpene	
18.99	Beta-Pinene	127-91-3	0.10	Monoterpene	
19.86	Sabinene	3387-41-5	0.15	Monoterpene	
22.72	Beta-Myrcene	123-35-3	0.62	Monoterpene	

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22.96	Alpha-Phellandrene	99-83-2	1.06	Monoterpene	
25.54	Limonene	5989-27-5	28.70	Monoterpene	Cosmetic Allergen
26.14	Beta-Phellandrene	555-10-2	0.22	Monoterpene	
27.9	Cis-Beta-Ocimene	3338-55-4	2.56	Monoterpene	
28.85	Gamma-Terpinene	99-85-4	0.61	Monoterpene	
30.62	Para-Cymene	99-87-6	0.20	Monoterpene	
31.62	Alpha-Terpinolene	586-62-9	0.51	Monoterpene	
40.21	Fenchone	1195-79-5	0.27	Monoterpenic ketone	
46.87	Fenchyl Acetate <exo->	4057-31-2	0.27	Ester	
58.09	Estragole	140-67-0	2.84	Phenylpropanoid	Dermal Sens. and Systemic Tox.
59.9	Alpha-Terpineol	98-55-5	0.01	Monoterpenic alcohol	

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60.38	Gamma-Himachalene	53111-25-4	0.01	Sesquiterpene	
<b>61.13</b>	Germacrene D	23986-74-5	0.18		
<b>63.4</b>	Cis-Anethole	25679-28-1	0.13	Phenylpropanoid	
<b>67.72</b>	Trans-Anethole	4180-23-8	60.02	Phenylpropanoid	
<b>78.59</b>	Para-Anisaldehyde	123-11-5	0.22	Aromatic Aldehyde	Dermal Sens. and Systemic Tox.
<b>Total</b>			<b>99.91</b>		

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