



CERTIFICATE of ANALYSIS (COA)

Star Anise (SKU 939 lot 4)

LATIN NAME	<i>Illicium verum</i>
COUNTRY OF ORIGIN	India
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Fruit
USE	Aromatherapy, Natural Perfumery

ANALYZED	September 23, 2020
MANUFACTURED	August 1, 2020
RETEST	August 1, 2023

SPECIFIC GRAVITY @ 20C	0,98
REFRACTIVE INDEX @ 20C	1,56
OPTICAL ROTATION @ 20C	-0,10

PHYSICAL APPEARANCE	Transparent liquid
COLOR	Colorless to pale yellow
ODOR	Fresh, sweet, spicy, anisic
SOLUBILITY	Soluble in alcohol and fixed oils
SPECIAL USE INSTRUCTIONS	

COMMENTS	
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COMPONENT	Actual %	CAS
E-Anethole	88,55%	4180-23-8
Methyl chavicol ¹	3,83%	140-67-0
Linalool ²	1,49%	78-70-6
Foeniculin	1,46%	78259-41-3
alpha-Pinene	1,25%	80-56-8
alpha-Phellandrene	0,65%	99-83-2
beta-Phellandrene	0,62%	555-10-2
Z-Anethole	0,36%	25679-28-1
alpha-, trans-Bergamotene	0,34%	13474-59-4
delta-3-Carene	0,29%	13466-78-9
Caryophyllene(E-)	0,24%	13877-93-5
1,8-Cineole	0,20%	470-82-6
para-Cymene	0,12%	99-87-6
para-Anis aldehyde	0,09%	123-11-5
alpha-Copaene	0,08%	3856-25-5
Myrcene ¹	0,07%	123-35-3
Sabinene	0,06%	3387-41-5

alpha-Terpinene	0,05%	99-86-5
gamma-Terpinene	0,05%	99-85-4
Terpinen-4-ol	0,05%	562-74-3
beta-Pinene	0,04%	127-91-3
beta-Bisabolene	0,04%	495-61-4
Total Deleted Low Purity Peaks	0,00%	
Not Identified Peaks	0,07%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 939 lot 4

