


## CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Spikenard	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Nardostachys jatamansi	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):	Himalayan Nard	TELEPHONE:	1.855.534.1671
		FAX:	1.855.553.6010
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
INCI NAME:	Nardostachys chinensis root oil		
CAS TSCA:	8022-22-8	HS CODE:	3301.29
CAS EINECS:	N/A	EINECS:	
FEMA:	N/A	COE:	N/A
COUNTRY OF ORIGIN:	Nepal	FDA CODE:	N/A
PRODUCTION TYPE:	Certified Organic	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Roots		
LOT NUMBER:	EAB627528NP38320A		
PRODUCTION DATE:	02/2020		
EXPIRATION DATE:	02/2025		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Greenish yellow to golden color slightly viscous liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic earthy harsh woody odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.930 to 0.980 @ 20°C</i>	<i>0.946</i>
OPTICAL ROTATION:	<i>-12.0 - -8.0 @ 20°C</i>	<i>-12.0</i>
REFRACTIVE INDEX:	<i>1.505 - 1.646 @ 20°C</i>	<i>1.505</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

### DISCLAIMER

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Spikenard  
Nardostachys jatamansi

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% TOTAL: 84.8	COMPONENTS
0.4	ARISTOLENE
1.8	GUAIADIENE-6-9
1.9	D-GERMACRENE
1.6	ACORA-3,10(14)-DIENE
1.8	SEYCHELLENE
3.8	VALENCENE
4.3	7-EPI ALPHA SELINENE
1.6	4-METHYL-5-VINYL THIAZOLE
28.9	SPIROJATAMOL
2.7	BICYCLOGERMACRENE
31.5	VALERANONE
1.9	PATCHOULOL
2.6	4-METHYL-5-THIAZOLEETHANOL ACETATE

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