

BIORUŽA, s. r. o.

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CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Vetiver, India
LATIN NAME	<i>Vetiveria zizanioides</i>
COUNTRY OF ORIGIN	India
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Roots
USE	Aromatherapy, Natural Perfumery, Incense.

SKU	1005
LOT #	9
MANUFACTURING DATE	February 2024
BEST BY DATE	February 2034

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @25°C	0.950-1.022	1.0327
REFRACTIVE INDEX @20°C	1.49-1.53	1.5259
OPTICAL ROTATION @20°C	+1° to +15°	na

PHYSICAL APPEARANCE	Transparent viscous liquid	Conforms
COLOR	Amber to brown	Conforms
ODOR	Deep woody aroma	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Zizanoic Acid, Alpha-vetivone, Isovalencelol.
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COMPONENTS	% RANGE	%	COMPONENTS	% RANGE	%
ZIZANOIC ACID (VETIVENIC ACID)	na	18.82	(E)-ISOVALENCENAL	na	1.60
ALPHA-VETIVONE	na	6.95	SELIN-6-EN-4 ALPHA-OL	na	1.38
ISOVALENCENOL	na	4.83	ALPHA-MUUROLENE	na	1.34
EPIZANONE	na	2.63	CIS-EUDESM-6-EN-11-OL	na	1.20
KHUSIOL	na	1.87	1,10-DI-EPI-CUBENOL	na	1.01
TAU-MUUROLOL	na	1.78	ALPHA-EUDESMOL	na	1.00
* EU Allergen					

COMMENTS	Odor quality is excellent.
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