

1. PRODUCT ATTRIBUTES

Description:	Vetiver Paraguay Oil
Botanical name:	Vetiveria Zizanoides
Shelf life:	36 months
Storage conditions:	Store in well-ventilated dry area in sealed containers.
Presentation:	Steel drums with internal epoxy paint coating.
Country of origin:	Paraguay

2. IDENTIFICACION

Cas:	8016-96-4
Cas-einecs:	84238-29-9
Einecs/elincs:	282-490-8
FDA nr:	n/a
Fema:	n/a
Tariff N°:	3301.29.22

3. ANALYTICAL PROPERTIES
3.1. Sensory characteristics

Parameter	Description	Method
Visual color	Light brown	Visual
Appearance	Viscous liquid	Visual
Odor	Sweet, earthy, woody	Sensorial

3.2. Physicochemical characteristics

Parameter	Value/Tolerance Range	Method
VETISENOL:	0,5% to 2%	GC
KHUSIMOL:	5,5% to 10,4%	GC
VETIVENOL:	8% to 16%	GC
BETA VETIVON:	1,2% to 4%	GC
ALPHA VENTIVON:	3% to 7,1%	GC
SUM ALCOHOLS:	19% to 35,7%	GC

3.3. Core tests

Parameter	Description
Gardner color scale 2000+:	4/30BS11-4/30AS9
Specific gravity D25/25:	0,950 – 0,960
Refractive index nD20:	1.500 – 1.525
Optical rotation:	15 to 45

3.4. Additional data

Parameter	Description
Flash point:	110 °C
Acid value:	n/a
Melting point:	n/a
Solubility:	Insoluble in water
Stability:	Not to be exposed to open flame

4. CHANGE CONTROL

New document code, old code TDS-ESPEC TEC VET-COM-VFIN