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TECHNICAL DATA SHEET

Sr. No. : UL3000426-V-04 **Issue Date: 04/05/2023**

QUALITY CONTROL : We declare that certificate of analysis of this material is inspected according to quality parameters as below :

Item Code	**UL3000426**
Item Name	**COSTUS ROOT OIL**

Test Parameters	Specifications
CAS #	8023-88-9
EINECS #	290-278-1
FEMA#	2336
Botanical Name	Sassurea lappa
Description	Light yellow to brown mobile liquid with characteristic odor.
Origin	Dried and Triturated Roots of Herbaceous Perennial Plant.
Appearance	Light yellow to brown
Physical Status	Liquid
Flash Point (Closed cup) °C	85°C
Refractive Index	1.498 - 1.538 @20°C
Relative Density	0.954 - 1.029 @25°C
Optical Rotation	+10° to +30°
Solubility in Alcohol	Soluble
Solubility in Water	Insoluble
Assay by GC	Beta elemene: 1-5% Beta selinene: 1-3% 9,12,15-octadecatrien 1-ol: 15-40% Eremanthin: 10-20%
Shelf Life	12 months with proper storage conditions.
Legislation	Natural
Stability	Avoid strong acids strong bases & all oxidizing agents.
Uses	Flavour application.

PACKING & STORAGE	Should be stored in cool, dry, well ventilated places in full, tightly sealed containers, protected from light & source of ignition.
HANDLING PRECAUTION	Handle in adequate ventilation, Avoid skin and eye contact, use goggles or face shield and wear protective clothing.

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