

**Certificate of Analysis [C.O.A ]**

<b>PRODUCT NAME</b>	Calamus Oil	
<b>CAS Number</b>	84775-39-3	
<b>Botanical Name</b>	Acorus Calamus	
<b>SOURCE</b>	Steam distillation extraction of Calamus fresh or unpeeled dried roots	
<b>PRODUCT APPEARANCE</b>	Yellow to yellowish brown, slightly viscous liquid	By Visual Inspection
<b>SOLUBILITY</b>	Soluble in alcohol and oils. Insoluble in water	
<b>Specific Gravity</b>	0.959 to 0.970 @ 25 °C	Complies
<b>Refractive Index</b>	1.507 to 1.515 @ 25 °C	Complies
<b>Optical Rotation</b>	+9° to +31° @ 25 °C	Complies
<b>Heavy metal</b>	Not more than 5ppm	
<b>Active Content</b>	Beta -Asarone	70%+
<b>Microbial Count</b>	Nil	
<b>Storage</b>	Keep in a cool, dry, dark location in a tightly sealed container	
<b>Physical Handling</b>	Avoid direct physical contact	
<b>AFLATOXINS(B1,B2,G1,G2)</b>	Nil ppb	
Lot Number :		
Manufacturing Date :	December 2018	
Expiry Date :	December 2020	