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## Certificate of Analysis

**COMMON NAME** Cedarwood, Atlas  
**LATIN NAME** *Cedrus atlantica*  
**COUNTRY OF ORIGIN** Morocco  
**CULTIVATION METHOD** Sustainably Wild Harvested  
**EXTRACTION METHOD** Steam Distilled  
**PLANT PART** Wood  
**USE** Aromatherapy, Natural Perfumery, Incense  
**BATCH** 20193  
**PRODUCTION DATE** May 2018  
**BEST BY DATE** May 2021

**SPECIFICATIONS (Range)**

**SPECIFIC GRAVITY @20°C** No data

**REFRACTIVE INDEX @20°C** No data

**OPTICAL ROTATION @20°C** No data

**PHYSICAL APPEARANCE** Viscous liquid *Conforms*

**COLOR** Pale yellow to brown *Conforms*

**ODOR** Sweet, woody, warm, balsamic *Conforms*

**SOLUBILITY** Soluble in alcohol and fixed oils.

**PRIMARY CONSTITUENTS** Beta-Himachalene, Alpha-Himachalene, Gamma-Himachalene

<b>COMPONENTS Range</b>	<b>%</b>	<b>COMPONENTS Range</b>	<b>%</b>
BETA-HIMACHALENE	54.08	ALPHA-CALACORENE	0.83
ALPHA-HIMACHALENE	20.32	ALPHA-DEHYDRO-AR-HIMACHALENE	0.82
GAMMA-HIMACHALENE	11.99	HIMACHALOL	0.55
(E)-ALPHA-ATLANTONE	2.70	SIBIRENE	0.41
1,4-DIENE-11-ALPHA-H-HIMACHALA	2.46	BETA-CEDRENE	0.38
DEODARONE 2.21 (Z)-GAMMA-ATLANTONE	0.35		
DELTA-CADINENE 1.74 LIMONA KETONE	0.29		

Retest Date July 2021