



# Escentials of Australia

## Certificate of Analysis

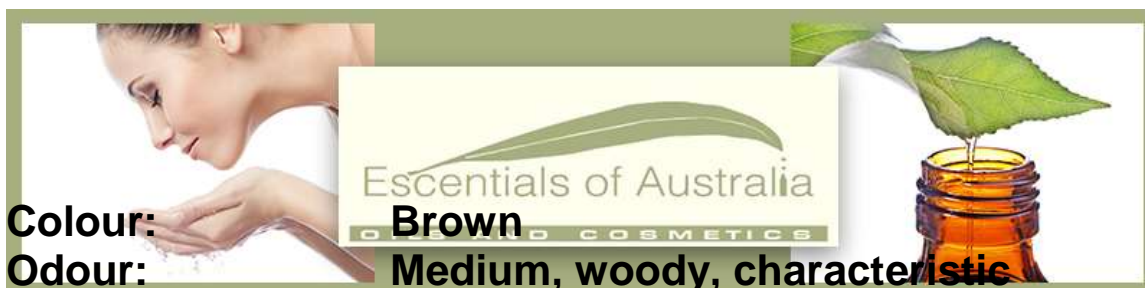
**Sandalwood West Indies**

**Botanical: *amyris balsamifera***

**Part of plant used: bark of the wood**

**Origin: farmed**

**Cas 8015-65-4**



**Colour:** **Brown**  
**Odour:** **Medium, woody, characteristic**  
**Specific Gravity:** **0.9593**  
**Optical Rotation:** **31.48**  
**Refractive Index:** **1.5060**

### Analysis:

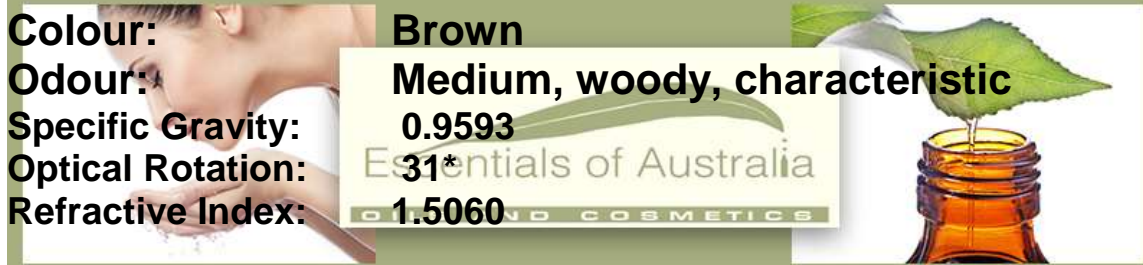
<b>Acid Value:</b>	<b>1.12</b>
<b>% Acid 0.19.....</b>	<b>as Valeric</b>
<b>% Ester 1.31.....</b>	<b>as Amyrlyle Acetate</b>
<b>% Free Alcohol 56.83.....</b>	<b>as Valerianol</b>
<b>% Total Alcohol 58.14.....</b>	<b>as Valerianol</b>

Batch No 13....

Shelf Life 3 years plus

Retest after 24 months

Compiled March 2020

<b>Colour:</b>	<b>Brown</b>	
<b>Odour:</b>	<b>Medium, woody, characteristic</b>	
<b>Specific Gravity:</b>	<b>0.9593</b>	
<b>Optical Rotation:</b>	<b>31*</b>	
<b>Refractive Index:</b>	<b>1.5060</b>	

**Analysis:**

<b>Acid Value:</b>	<b>1.12</b>
<b>% Acid 0.19.....</b>	<b>as Valeric</b>
<b>% Ester 1.31.....</b>	<b>as Amyryle Acetate</b>
<b>% Free Alcohol 56.83.....</b>	<b>as Valerianol</b>
<b>% Total Alcohol 58.14.....</b>	<b>as Valerianol</b>

Batch No 12....  
 Shelf Life 3 years plus  
 Retest after 24 months  
 Compiled May 2019

**Colour: Brown**  
**Odour: Medium, woody, characteristic**  
**Specific Gravity: 0.95590**  
**Optical Rotation: 28\***  
**Refractive Index: 1.5060**

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### **Analysis:**

<b>Acid Value:</b>	<b>0.73</b>
<b>Ester Value:</b>	<b>2.81</b>
<b>After Acetylation:</b>	<b>158.12</b>
<b>% Acid 0.19.....</b>	<b>as Valeric</b>
<b>% Ester 1.31.....</b>	<b>as Amyrlyle Acetate</b>
<b>% Free Alcohol 56.83.....</b>	<b>as Valerianol</b>
<b>% Total Alcohol 58.14.....</b>	<b>as Valerianol</b>

Batch No 110... & 111..  
Shelf Life 3 years plus  
Retest after 24 months

**Colour: Brown**

**Odour: Medium, woody, characteristic**

**Specific Gravity: 0.9560**

**Optical Rotation: 28\***

**Refractive Index: 1.5062**

**Analysis:**

**Acid Value: 0.74**

**Ester Value: 2.80**

**After Acetylation: 158.02**

**% Acid 0.19..... as Valeric**

**% Ester 1.31..... as Amyryle Acetate**

**% Free Alcohol 56.83..... as Valerianol**

**% Total Alcohol 58.14..... as Valerianol**

**Batch 98...& 99...**

**Shelf Life 3 years plus**

**Retest after 24 months**

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OILS AND COSMETICS

