

**Therapeutic Goods Administration
Draft compositional guideline
Santalum spicatum (Australian Sandalwood)**

| Substance | Mini- mum | Maxi- mum | Typical values | Method |
|--|---|--------------|-------------------|--|
| α -bisabolol + epi- α -bisabolol | 3% | 20% | | Capillary gas chromatography |
| α -santalol | 10% | 25% | | Capillary gas chromatography |
| E,E-farnesol | 2% | 15% | | Capillary gas chromatography |
| β -santalol | 5% | 12% | | Capillary gas chromatography |
| epi- β -santalol | 1% | 3.5% | | Capillary gas chromatography |
| Z-nuciferol | 5% | 15% | | Capillary gas chromatography |
| Z-lanceol | 2% | 5% | | Capillary gas chromatography |
| Appearance | Clear, somewhat viscous liquid | | | |
| Colour | Almost colourless to pale brown or yellow/green | | | |
| Odour | Sweet, woody and persistent | | | |
| Ester value | 4.5 | | | |
| Ester value after acetylation | 199 | | | |
| Solubility in 70% v/v ethanol at 20°C | | | | 1 volume of sandalwood oil shall not require more than 5 volumes of ethanol to give a clear solution |
| Acid value | 7 | 1.512 | | |
| Refractive index at 20°C | 1.504 | 1.512 0 | | |
| Optical rotation at 20°C | -9° | -1° | | |
| Relative density at 20°C | 0.962 | 0.980 | | |
| Flash point | 140°C | | | Pensky-Martens closed cup or equivalent apparatus |