

**Farnesol**

(2E,6E)-3,7,11-trimethyldodeca-2,6,10-trien-1-ol

700299O-25mg

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**Molecular Weight** 222.37  
**Chemical Formula** C<sub>15</sub>H<sub>28</sub>O  
**Physical State** Oil  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6927OJB010  
**Avanti Lot Number** 700299O-25MG-B-010

| ANALYSIS             | SPECIFICATION                                                                                                                                 | RESULTS                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical Examination | <b>Oil:</b> Viscous liquid with no foreign matter                                                                                             | Pass                                          |
| TLC                  | >99% Purity<br>Ninhydrin spray: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                                      |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                        | Consistent with structure                     |
| Carbon NMR           | NMR spectrum consistent with structure                                                                                                        | Consistent with structure                     |
| Mass Spectroscopy    | [M+NH <sub>4</sub> ] <sup>+</sup> = 240.37 ± 1 amu                                                                                            | [M+NH <sub>4</sub> ] <sup>+</sup> = 240.1 amu |

Approved By:



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