

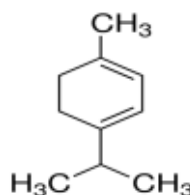
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
 $\alpha$ -Terpinene -  $\geq 89\%$ , FCC, FG

Product Number: **W355801**  
CAS Number: 99-86-5  
MDL: MFCD00001534  
Formula: C<sub>10</sub>H<sub>16</sub>  
Formula Weight: 136.23 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Refractive index at 20 ° C	1.475 - 1.480
Infrared spectrum	Conforms to Structure
GC (% Major 1) ( $\alpha$ -Terpinene)	$\geq 89.0 \%$
GC (% Minor 1) (sum of 1,4-cineole and 1,8-cineole)	$\leq 7 \%$
Total Purity (sum of major and minor components)	$\geq 95.0 \%$
Specific Gravity At 25 Deg C	0.833 - 0.838
Solubility (Turbidity) 1ml/2ml 95% Ethanol	Clear
Solubility (Color)	Colorless
Arsenic (As)	$\leq 3$ ppm
Cadmium (Cd)	$\leq 1$ ppm
Mercury (Hg)	$\leq 1$ ppm
Lead (Pb)	$\leq 10$ ppm
Expiration Date Period 5 Years	-----

Specification: PRD.4.ZQ5.10000046709

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.