

Specification

**L-Threonine (Ph. Eur., USP) pure, pharma grade**

**A1419**

<b>Solubility:</b>	90 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1419
<b>Product Name:</b>	L-Threonine (Ph. Eur., USP) pure, pharma grade
<b>Headline Comment:</b>	• All amino acids from AppliChem are of non-animal origin!
<b>Specifications:</b>	<p>Assay (titr., calc. on dried subst.): 99.0 - 101.0 %</p> <p><math>\alpha</math>20°C/D; 6 %, H<sub>2</sub>O, calc. on dried subst.: -27.6° - -29.0°</p> <p>Appearance of solution: passes test</p> <p>Identity: passes test</p> <p>pH (2.5 %; H<sub>2</sub>O): 5.0 - 6.5</p> <p>Heavy metals (as Pb): max. 0.0015 %</p> <p>Sulfated ash: max. 0.1 %</p> <p>Loss on drying (3 h; 105°C): max. 0.2 %</p> <p><math>\alpha</math>25°C/D; 6 %, H<sub>2</sub>O: -26.7° - -29.1°</p> <p>pH (5 %; H<sub>2</sub>O): 5.0 - 6.5</p> <p>Ammonium: max. 0.02 %</p> <p>Chloride: max. 0.02 %</p> <p>Sulfate: max. 0.03 %</p> <p>Fe: max. 0.001 %</p> <p>Ninhydrin positive substances (HPLC)</p> <p>each individual impurity: max. 0.2 %</p> <p>Total impurities: max. 0.5 %</p> <p>Ninhydrin positive substances (TLC)</p> <p>Each individual impurity: max. 0.5 %</p> <p>Total impurities: max. 2 %</p>
<b>WGK:</b>	1
<b>Storage:</b>	RT


**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

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**A1419**

<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>
<b>M:</b>	119.12 g/mol
<b>CAS:</b>	72-19-5
<b>EINECS:</b>	200-774-1
<b>CS:</b>	29225000
	

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Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340