

Specification

**Urea for analysis, ACS, molecular biology**

**A1049**

<b>Solubility:</b>	1000 g/L (H <sub>2</sub> O)
<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1049
<b>Product Name:</b>	Urea for analysis, ACS, molecular biology
<b>Specifications:</b>	<p>DNases/RNases/Proteases: not detectable</p> <p>Assay (from N): min. 99.0 %</p> <p>Assay (Perchl. Ac.): 99.0 - 100.5 %</p> <p>pH (8 M; H<sub>2</sub>O; 20°C): 7.5 - 10.5</p> <p>Heavy metals (as Pb): max. 0.001 %</p> <p>Identity (IR): passes test</p> <p>Melting range: 132 - 135°C</p> <p>Loss on drying: max. 0.5 %</p> <p>Insoluble matter in H<sub>2</sub>O: max. 0.005 %</p> <p>Residue on ignition (as SO<sub>4</sub>): max. 0.01 %</p> <p>Chloride: max. 0.0005 %</p> <p>Sulfate: max. 0.001 %</p> <p>Fe: max. 0.0005 %</p> <p>Zn: max. 0.0005 %</p> <p>Sr: max. 0.0002 %</p> <p>Co: max. 0.0005 %</p> <p>Be: max. 0.0002 %</p> <p>Si: max. 0.0002 %</p> <p>Sn: max. 0.0002 %</p> <p>Cu: max. 0.0005 %</p> <p>Al: max. 0.0002 %</p> <p>Ni: max. 0.0005 %</p> <p>Mn: max. 0.0005 %</p> <p>Tl: max. 0.0002 %</p> <p>Cd: max. 0.0005 %</p> <p>V: max. 0.0002 %</p>

**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 007 225 00192 • Register court Darmstadt HRB Nr. 7340

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	Mg: max. 0.0002 % Mo: max. 0.0002 % B: max. 0.0002 % Ba: max. 0.0002 % In: max. 0.0002 % Ag: max. 0.0002 % K: max. 0.0002 % Pb: max. 0.0005 % Pt: max. 0.0002 % Ti: max. 0.0002 % Cr: max. 0.0002 % A (1 cm/8 M in H <sub>2</sub> O) 260 nm: max. 0.05 280 nm: max. 0.02
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Molecular Formula:</b>	NH <sub>2</sub> CONH <sub>2</sub>
<b>M:</b>	60.06 g/mol
<b>CAS:</b>	57-13-6
<b>EINECS:</b>	200-315-5
<b>CS:</b>	31021010

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