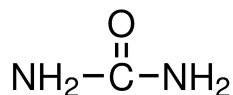


# Product Specification

**Product Name :** Urea ACS reagent, 99.0-100.5%  
**Product Number:** U5128  
**CAS Number:** 57-13-6  
**MDL Number :** MFCD00008022  
**Molecular Formula:** CH<sub>4</sub>N<sub>2</sub>O  
**Formula Weight:** 60.06 g/mol



Test	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Pellets
Titration by HClO <sub>4</sub>	99.0 - 100.5 %
Initial Melting Point	≥ 132°C
Final Melting Point	≤ 135°C
Insoluble Matter	≤ 0.01%
Residue on ignition (Ash)	≤ 0.01%
Chloride (Cl)	≤ 5 ppm
Sulfate <=0.001%	Conforms
Heavy Metals (by ICP-OES)	≤ 0.001%
Iron (Fe)	≤ 0.001%
Note ACS tests	-----
Recommended Retest Period 5 years	-----

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.

Version Number: PRP.00.ZQ5.1148166

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