

3050 Spruce Street, Saint Louis, MO 63103, USA

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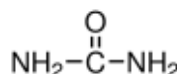
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:

Urea – puriss., meets analytical specification of Ph. Eur., BP, USP, 99.0–100.5%, 99.0–101.0% (calc. on dry substance)

Product Number: 15604
CAS Number: 57-13-6
MDL: MFCD00008022
Formula: CH₄N₂O
Formula Weight: 60.06 g/mol



TEST	Specification
Identity	Complying
Assay	99.0 - 100.5 %
Assay Calc. to the dried substance	99.0 - 101.0 %
Chloride (Cl)	≤ 0.001 %
Sulfate (SO ₄)	≤ 0.005 %
Biuret (Carbamylurea)	≤ 0.1 %
Appearance of Solution	Complying
Melting point by DSC	132.0 - 135.0 °C
Loss on Drying 105 C, 1 Hour	≤ 1.0 %
Ammonium	≤ 0.05 %
Sulfated Ash	≤ 0.1 %
Insoluble Matter Insoluble in Ethanol	≤ 0.04 %
Iron (Fe)	≤ 0.00005 %
Heavy Metals (as Lead)	≤ 0.001 %
Substances Test Alkalinely reacting substances	Complying
Recommended Retest Period 36 Months	-----
Note	Note
Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.	

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. 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.

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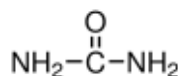
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**TEST****Specification**

Specification: PRD.2.ZQ5.10000076285

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