



# Specification

1.08487.0500 Urea GR for analysis ACS, Reag. Ph Eur

	Specification	
Assay (ex N)	99.0 - 100.5	%
Assay (ex N, calc. on dried substance)	99.0 - 101.5	%
Purity (DSC (differential scanning calorimetry))	≥ 99.5	mol%
Identity (IR-spectrum)	passes test	
Appearance of solution (10 %; Wasser; color)	colourless	
Appearance of solution (10 %; Wasser; clarity)	clear	
In water insoluble matter	≤ 0.003	%
Acidity, Alkalinity	≤ 0.0005	meq/g
Melting point (DSC)	132 - 135	°C
NH <sub>4</sub> (Ammonium)	≤ 0.0500	%
Chloride (Cl)	≤ 0.0005	%
Sulfate (SO <sub>4</sub> )	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0004	%
Heavy metals (ACS)	≤ 0.001	%
Biuret	≤ 0.05	%
Sulfated ash (600 °C)	≤ 0.005	%
Cu (Copper)	≤ 0.0001	%
Fe (Iron)	≤ 0.0001	%
Pb (Lead)	≤ 0.0002	%
Loss on Drying (105 °C)	≤ 1.0	%

Corresponds to ACS, Reag. Ph Eur

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Responsible laboratory manager quality control

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