



SPECIFICATION SHEET

Product Name : Urea Crystal, GR for analysis ACS
Product Number : 978.015
Brand : ISOLAB
CAS Number : 57-13-6
Formula : $\text{CH}_4\text{N}_2\text{O}$
Formula Weight : 60.06 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (DSC)	$\geq 99.5 \%$	%
Identity (IR-spectrum)	passes test	
Appearance	passes test	
Appearance of solution	passes test	
In water insoluble matter	$\leq 0.005 \%$	%
Acidity (as HCl)	$\leq 0.002 \%$	%
Alkalinity (as NaOH)	$\leq 0.01 \%$	%
Ammonium (NH_4)	$\leq 0.00001 \%$	%
Chloride (Cl)	$\leq 0.0005 \%$	%
Sulfate (SO_4)	$\leq 0.001 \%$	%
Heavy metals (as Pb)	$\leq 0.0004 \%$	%
Biuret	$\leq 0.05 \%$	%
Residue on ignition (800 °C)	$\leq 0.01 \%$	%
Cu (Copper)	$\leq 0.0002 \%$	%
Cyanides (CN)	$\leq 0.000001 \%$	%
Fe (Iron)	$\leq 0.00002 \%$	%
DNases, RNases, Proteases	non detected	
Absorbance of an aqueous solution 8 M in a 1 cm cell at 260 nm	$\leq 0.1 \text{ AU}$	AU
Absorbance of an aqueous solution 8 M in a 1 cm cell at 280 nm	$\leq 0.1 \text{ AU}$	AU

Quality Management
Isolab Laborgerate GmbH

