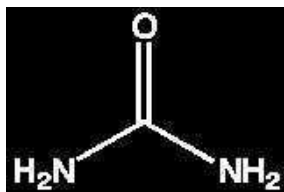


UREA



- Synonyms: Carbamide, Carbonyldiamide
- $\text{CH}_2\text{N}_2\text{O}$
- $M = 60,06 \text{ g/mol}$
- CAS [57-13-6]
- EINECS-No.: 200-315-5
- Solub. in water: (20 °C): 590 g/l
- Melting point: 132,5 - 134,5 °C
- Vapour pressure: (75 °C) ~ 0,002 hPa

- LD 50 (oral, rat): 8471 mg/kg
- Tariff number: 3102 10 10 00
- Applications: laboratory reagent, in biochemistry, in fertilizer compositions, manufacturing of synthetic resins, in the plastics industry, for reversible denaturation of proteins.

UR0130 Urea, EssentQ®

assay (DSC) min. 99 %
identity (IR-spectrum) passes test
residue on ignition max. 0,1 %

ART. NO.	VOLUME	CONTAINER
UR01300500	500 g	Ⓟ

ART. NO.	VOLUME	CONTAINER
UR01301000	1 kg	Ⓟ

UR0131 Urea, ExpertQ®, for analysis, ACS

assay (titration with HClO_4) 99 - 100,5 %
identity (IR-spectrum) passes test
melting point 132 - 135 °C
insoluble in water max. 0,005 %
acidity (as HCl) max. 0,002 %
alkalinity (as NaOH) max. 0,01 %
chlorides (Cl) max. 0,0005 %

sulfates (SO_4) max. 0,001 %
copper (Cu) max. 2 ppm
heavy metals (as Pb) max. 4 ppm
iron (Fe) max. 1 ppm
nickel (Ni) max. 2 ppm
biuret max. 0,1 %
residue on ignition max. 0,01 %

ART. NO.	VOLUME	CONTAINER
UR01310500	500 g	Ⓟ
UR01311000	1 kg	Ⓟ
UR0131005P	5 kg	Ⓟ

UR0133 Urea, molecular biology grade

assay (DSC) min. 99,5 %
identity (IR-spectrum) passes test
appearance passes test
appearance of solution passes test
absorbance of an aqueous solution
8 M in a 1 cm cell at 260 nm max. 0,1 AU
absorbance of an aqueous solution
8 M in a 1 cm cell at 280 nm max. 0,1 AU
chlorides (Cl) max. 0,0005 %

cyanides (CN) max. 0,000001 %
sulfates (SO_4) max. 0,001 %
ammonium (NH_4) max. 0,00001 %
heavy metals (as Pb) max. 4 ppm
iron (Fe) max. 0,2 ppm
biuret max. 0,05 %
residue on ignition (800 °C) max. 0,01 %
DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
UR01330100	100 g	Ⓟ
UR01330500	500 g	Ⓟ
UR01332500	2,5 kg	Ⓟ
UR0133005P	5 kg	Ⓟ

Pesticide mix

according to official EU Regulation



The European Commission has adopted a regulation (533/2019) by which member states take and analyse samples for a set of pesticides during 2020 through 2022. The list of pesticides to be analysed includes more than 100 compounds. The list of pesticides varies according to the type of sample and year.

These pesticides must be analysed in and on food of plant and animal origin in Member States of the European Union.

**Scharlab offers the suitable mix for each year and each type of sample, please ask us!
Save in solvents, time and labour.**

Ask more information at helpdesk@scharlab.com

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