Uracil
≥98 %, for biochemistry

Type analysis
Appearance ..... white to off-white powder
Purity (HPLC) ..... ≥98 %
Loss on drying (3 h, 105 °C) ..... ≤0,5 %

Art. No.	Pack Qty.	Pack.
7288.1	5 g	glass
7288.2	25 g	plastic
7288.3	100 g	plastic

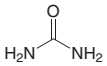
Uracil-6-carboxylic acid
▸ Orotic acid see page 476
▸ Orotic acid Monohydrate see page 476

Uracil-1-β-D-ribofuranoside
▸ Uridine see page 772

Uranin
▸ Fluorescein disodium salt see page 272

Uranium Standards
▸ Uranium ICP Standard Solution see page 692

Urea



Carbamide
CH_4N_2O · D 1,33 g/cm³ · mp 134 °C
M 60,06 g/mol
CAS No. 57-13-6 · EC no. 200-315-5
WGK 1

Urea
≥99,5 %, p.a., BioScience Grade

For molecular biology and biochemistry.

Guarantee analysis
Appearance ..... fine, white crystals
Assay ..... ≥99,5 %
Chloride (Cl) ..... ≤0,001 %
Sulphate (SO_4) ..... ≤0,001 %
Melting point ..... 132-135 °C
Heavy metals (as Pb) ..... ≤0,001 %
UV absorption (8 M solution): 260 nm ..... ≤0,1
280 nm ..... ≤0,1
DNases (exo-and endonucleases) .. not detected
Ribonucleases activity ..... not detected

Art. No.	Pack Qty.	Pack.
2317.3	500 g	plastic
2317.1	1 kg	plastic
2317.4	2.5 kg	plastic
2317.2	5 kg	plastic

For further information see www.carlroth.com

Urea
≥99,5 %, p.a.

For molecular biology and biochemistry.

Guarantee analysis
Assay (ex N_2) ..... ≥99,5 %
In C_2H_5OH insoluble matter ..... ≤0,01 %
Melting range ..... 132-135 °C
Sulphated ash ..... ≤0,01 %
Chloride (Cl) ..... ≤0,007 %
Sulphate (SO_4) ..... ≤0,01 %
Ammonium (NH_4) ..... ≤0,05 %
Heavy metals (as Pb) ..... ≤0,0003 %
Arsenic (As) ..... ≤0,00005 %
Iron (Fe) ..... ≤0,0001 %
Copper (Cu) ..... ≤0,0001 %
Biuret ..... ≤0,1 %

Art. No.	Pack Qty.	Pack.
3941.3	500 g	plastic
3941.1	1 kg	plastic
3941.2	5 kg	plastic

Urea
≥99,5 %, Ph. Eur., cryst.

For molecular biology and biochemistry.

Guarantee analysis
Appearance ..... fine, white crystals
Assay ..... ≥99,5 %
Identity ..... complies
Appearance of solution ..... complies
Melting range ..... 132-135 °C
Alkaline reacting substances ..... complies
Loss on drying ..... ≤1,0 %
Sulphated ash ..... ≤0,1 %
Ammonium (NH_4) ..... ≤0,05 %
Heavy metals (as Pb) ..... ≤0,0003 %
Biuret ..... ≤0,1 %

Art. No.	Pack Qty.	Pack.
X999.1	500 g	plastic
X999.2	1 kg	plastic
X999.3	5 kg	plastic
X999.9	25 kg	plastic

Urea
≥99,5 %, cryst.

Type analysis
Appearance ..... white crystals
Assay ..... ≥99,5 %
In C_2H_5OH insoluble matter ..... ≤0,01 %
Water (KF) ..... ≤0,2 %
Heavy metals ..... ≤0,0003 %
Iron (Fe) ..... ≤0,0001 %
Biuret ..... ≤0,1 %

Art. No.	Pack Qty.	Pack.
7638.1	1 kg	plastic
7638.2	5 kg	plastic
7638.5	25 kg	cardboard

Urease

M ~480000 g/mol
CAS No. 9002-13-5 · EC no. 232-656-0
WGK 1
Danger H315-H319-H334-H335

Urease
≥220 Nessler U/mg material

From jack beans, freeze-dried

Packaging: 0,25 Mega Unit

Storage temperature: –20 °C
Transport temperature: cooled

Type analysis
Appearance ..... white material
Activity ..... ≥220 Nessler U/mg substance

Art. No.	Pack Qty.	Pack.
6065.1	1 unit(s)	plastic

For further information see www.carlroth.com

Urease
~1 U/mg, for biochemistry

From jack beans *Canavalia ensiformis*.

Storage temperature: –20 °C
Transport temperature: cooled

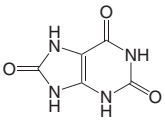
Type analysis
Appearance ..... slightly cream-coloured powder
Activity ..... 0,8-1,2 U/mg

Art. No.	Pack Qty.	Pack.
7537.1	5 g	plastic

For further information see www.carlroth.com

5-Ureidohydantoin
▸ Allantoin see page 35

Uric acid



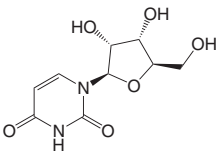
2,6,8-Trihydroxypurine
$C_5H_4N_4O_3$ · D 1,89 g/cm³ · mp >300 °C
M 168,11 g/mol
CAS No. 69-93-2 · EC no. 200-720-7
WGK 2

Uric acid
≥99 %, for biochemistry

Type analysis
Assay (HPLC) ..... ≥99,0 %
Loss on drying (105 °C) ..... ≤0,5 %
Heavy metals (as Pb) ..... ≤0,001 %

Art. No.	Pack Qty.	Pack.
4999.1	25 g	glass
4999.2	50 g	glass
4999.3	100 g	glass
4999.4	250 g	glass

Uridine



Uracil-1-β-D-ribofuranoside
$C_9H_{12}N_2O_6$ · mp 165 to 168 °C
M 244,20 g/mol
CAS No. 58-96-8 · EC no. 200-407-5
WGK 1

Uridine
≥99 %, for biochemistry

Type analysis
Appearance white to off-white crystalline powder
Assay (HPLC) ..... ≥99,0 %

Art. No.	Pack Qty.	Pack.
0714.1	5 g	plastic
0714.2	10 g	plastic
0714.3	25 g	plastic
0714.4	100 g	plastic