

## Specification Sheet

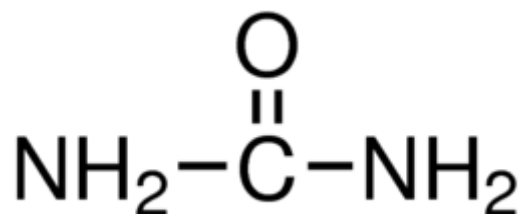
U0631 Sigma-Aldrich

## Urea

BioXtra, pH 7.5-9.5 (20 °C, 5 M in H<sub>2</sub>O)

Synonym: Carbamide, Carbonyldiamide

- CAS Number [57-13-6](#)
- Linear Formula NH<sub>2</sub>CONH<sub>2</sub>
- Molecular Weight 60.06
- Beilstein/REAXYS Number 635724
- EC Number [200-315-5](#)
- MDL number [MFCD00008022](#)
- PubChem Substance ID [24900617](#)
- NACRES NA.31



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
U0631-500G	Available to ship on 12.04.2021 - FROM	500 g	80.53	<input type="text" value="0"/>
U0631-1KG	Available to ship on 12.04.2021 - FROM	1 kg	128.01	<input type="text" value="0"/>
U0631-5KG	Estimated to ship on 26.04.2021 - FROM	5 kg	342.28	<input type="text" value="0"/>

## Properties

Related Categories

[Biochemicals and Reagents](#), [Building Blocks](#), [Carbonyl Compounds](#), [Chaotropic Agents](#), [Chemical Synthesis](#),[More...](#)

Quality Level	<a href="#">200</a>
product line	BioXtra
assay	99.0-100.5%
form	powder, crystals or pellets
impurities	≤0.005% Phosphorus (P)
	≤0.1% Insoluble matter
ign. residue	≤0.1%
pH	7.5-9.5 (20 °C, 5 M in H <sub>2</sub> O)
mp	132-135 °C (lit.)
solubility	H <sub>2</sub> O: 5 M at 20 °C, clear, colorless
density	1.335 g/mL at 25 °C (lit.)
anion traces	chloride (Cl <sup>-</sup> ): ≤0.05%
	sulfate (SO <sub>4</sub> <sup>2-</sup> ): ≤0.05%
cation traces	Al: ≤0.0005%
	Ca: ≤0.001%
	Cu: ≤0.0005%
	Fe: ≤0.0005%
	K: ≤0.005%
	Mg: ≤0.0005%



	NH <sub>4</sub> <sup>+</sup> : ≤0.05%
	Na: ≤0.005%
	Pb: ≤0.001%
	Zn: ≤0.0005%
absorption	≤0.06 at 260 nm at 5 M
	≤0.06 at 280 nm at 5 M
Featured Industry	Diagnostic Assay Manufacturing
storage temp.	room temp
SMILES string	NC(N)=O
InChI	1S/CH4N2O/c2-1(3)4/h(H4,2,3,4)
InChI key	XSQUKJJJFZCRTK-UHFFFAOYSA-N
Gene Information	human ... <a href="#">CA1</a> (759), <a href="#">CA2</a> (760) rat ... <a href="#">Ppm1a</a> (24666)
<a href="#">Show Fewer Properties</a>	

