

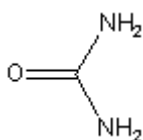


PRODUCT CODE: 131754

Urea crystalline for analysis, ACS

CH₄N₂O

NH₂CONH₂



M.= 60,06

CAS [57-13-6]

EINECS 200-315-5

TARIC 3102 10 19 00

SYNONYMS: Carbamide, Carbonyldiamide

PHYSICAL DATA: crystalline powder, White, in water at 20°C Thermal decom. above 135 °C • D 20/4 1,34 • M.P.: 135 °C • pH_{9,2} - 9,5 •

BIBLIOGRAPHY: Merck Index **13**, 9.935 Sax **USS000** • Safety **2**, **3578 A** • Römp **8**, **1629** • Beilstein **3**, **42 I**, **19 II**, **35 III**, **80 IV**, **94** • BRN 635724 • Fieser **1262 2455** • ACS **XI** • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: YR 6250000 • LD₅₀ oral rat 8.471 mg/kg •

SPECIFICATIONS:

Assay (Perchl. Ac.)	99,0-100,5 %
Identity :	
Identity	IR passes test
Melting range	132-135°C

Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Residue on ignition (as SO ₄)	0,01 %
Chloride (Cl)	0,0005%
Sulfate (SO ₄)	0,001%
Biuret	0,1%

Heavy metals (as Pb)	0,001%
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Metals by ICP [in mg/Kg (ppm)]

Ag	2
Al	2
B	2
Ba	2
Be	2
Cd	5
Co	5
Cr	2
Cu	5
Fe	5
In	2
K	2
Mg	2
Mn	5
Mo	2
Ni	5
Pb	5
Pt	2
Si	2
Sn	2
Sr	2
Ti	2
Tl	2
V	2
Zn	5