



Spezifikation

Produktbezug:	
Produktnummer	57136ORY
Handelsname / Bezeichnung	Harnstoff (Urea), rein, kristallin
CAS Nummer	57-13-6
Andere Bezeichnungen / Synonyme	•Harnstoff; •Harnstoff krist; •Harnstoff perlform; •Urea crystalline; •Urea pellets; •urea;
EG Nummer	200-315-5
Zolltarifnummer / CN-Code	310210
Molekulargewicht [g/mol]	60,06
Formel	CH ₄ N ₂ O

Parameter	Spezifikation	Einheit
Sensorische Prüfung		
Aussehen der Lösung	entspricht	
Aussehen	weiß, kristallin	
Physikalische Parameter		
Trocknungsverlust	≤ 1,0	%
pH-Wert	<10	
Schüttdichte	ca. 720	kg/m ³
Löslichkeit	sehr löslich in Wasser, löslich in Ethanol (unlösliche Bestandteile max 0,04%)	
Identifikation		
Gehalt	99,0 – 101,5	%
Infrarot Spektroskopie	entspricht	
Schmelzpunkt (Identität)	132 – 135	°C
Verunreinigungen		
Ammonium	≤ 500	mg/kg
Schwermetalle (als Pb)	≤ 10	mg/kg
Sulphatasche	≤ 0,1	%
Verunreinigung	Biuret ≤ 0,10	%
Verunreinigung	Wasser ≤ 0,2	%
Elementare Verunreinigungen		
Arsen (As)	≤ 3	mg/kg
Kupfer (Cu)	≤ 25	mg/kg
Zink (Zn)	≤ 25	mg/kg

Zusätzliche Angaben:

Hinweis: Anwendung: Kosmetika, Lebensmittelzusatzstoff, Hilfsstoff (excipients) in der Pharmazie, Bestandteil von Nährlösungen in der Biochemie.

Lagerbedingungen: Die Einwirkung von Nässe beim Transport, Umschlag und bei der Lagerung ist zu vermeiden. - Harnstoff, kristallin - rein kann bei längerer Lagerung zusammenbacken, die chemische Zusammensetzung wird hierdurch nicht beeinträchtigt

Entspricht der Monographie: Ph.Eur., BP, E 927 b (Carbamid)

Verpackung: 25 kg Karton

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 07. Feb. 2023

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