



## Specification

Concerning Product:	
Article number	57136OPT
Trade name / designation / denomination	Harnstoff techn. Urea
CAS number	57-13-6
Other names / synonyms	•Urea crystalline; •Urea pellets; •urea;
EC number	200-315-5 200-315-5
Customs tariff number / CN code / TARIC	310210
Molecular weight [g / mol]	60,06
Formula	CH <sub>4</sub> N <sub>2</sub> O

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance		white, spherical	
<b>Physical parameter</b>			
Acidity/Alkalinity		NH <sub>3</sub> ≤ 0,01	%
Loss on drying		≤ 0,2	%
pH value	10% solution	≤ 10	
Melting range		132 – 135	°C
Bulk density	shaken	800	kg/m <sup>3</sup>
water absorptive capacity		≤ 0,005	%
<b>Identity</b>			
Assay		≥ 99	%
Assay	total nitrogen	46	%
<b>Impurities</b>			
Residue on ignition		≤ 0,002	%
Impurity	Biuret	≤ 1,0	%
<b>Elemental Impurities</b>			
Iron (Fe)		≤ 0,0001	%
<b>Particle size distribution</b>			
Particles	mean grain diameter	1,6	mm

**Annotation:**

Surface treatment with urea-formaldehyde condensate to improve the storage properties

**USE**

Raw material for glue and resin production  
Intermediate product for the chemical industry  
Aids for the paper, plastics and textile industries  
Deicing agent

**Supplemental information:**

**Storage conditions:** Avoid exposure to moisture during transport, handling and storage.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Nov. 2021

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