

Product Characteristic

Chemical nature

Name	: Urea
CAS-No.	: 57-13-6
EINECS-No.	: 200-315-5
Chemical Formula	: (NH ₂) ₂ CO
Molecular weight	: 60,06 g/mol

Characteristic Properties

Appearance	: white, ball-shaped
Bulk density	: ca. 800 kg/m ³
Melting point/range	: 132 - 135 °C
Total nitrogen	: 46,5 %
Average particle size	: ca. 1,6 mm

Quality Characteristics

Testing features	Units	Values	Test according to
Content	Weight %	min. 99	ISO 22241-2 Annex B ISO 22241-2 Annex C
Alkalinity as NH ₃	Weight %	max. 0,01	ISO 22241-2 Annex D
Biuret	Weight %	max. 0,8	ISO 22241-2 Annex E
Aldehyde	mg/kg	max. 5	ISO 22241-2 Annex F
Phosphate (PO ₄)	mg/kg	max. 0,2	ISO 22241-2 Annex H
Calcium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Iron	mg/kg	max. 0,2	ISO 22241-2 Annex I
Copper	mg/kg	max. 0,1	ISO 22241-2 Annex I
Zinc	mg/kg	max. 0,1	ISO 22241-2 Annex I
Chromium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Nickel	mg/kg	max. 0,2	ISO 22241-2 Annex I
Aluminium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Magnesium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Sodium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Potassium	mg/kg	max. 0,2	ISO 22241-2 Annex I
Moisture	%	max. 0,2	P-03-03/003

Application

Production of high purity urea solution.

Technical Data

Packing and Containers

- in big bags, filling quantity: 1000 kg on palette CP1 (1000 x 1200 mm)

Transportation, Loading and Unloading, Storage

- Goods should not be allowed to become wet during transportation, loading/unloading and during storage.

The material safety data sheet informs about additional product characteristics. It contains classifications of dangers and rules, which are to be considered. It also describes necessary measures for protection of people and environment during handling the product.