

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 927b CARBAMIDE. (See end of Document for details)

ANNEX

E 927b CARBAMIDE

Synonyms	Urea
Definition	
Einecs	200-315-5
Chemical name	
Chemical formula	CH ₄ N ₂ O
Molecular weight	60,06
Assay	Content not less than 99,0 % on the anhydrous basis
Description	Colourless to white, prismatic, crystalline powder or small, white pellets
Identification	
Solubility	Very soluble in water Soluble in ethanol
Precipitation with nitric acid	To pass the test a white, crystalline precipitate is formed
Colour reaction	To pass the test a reddish-violet colour is produced
Melting range	132 °C to 135 °C
Purity	
Loss on drying	Not more than 1,0 % (105 °C, 1 hour)
Sulphated ash	Not more than 0,1 %
Ethanol-insoluble matter	Not more than 0,04 %
Alkalinity	Passes test
Ammonium-ion	Not more than 500 mg/kg
Biuret	Not more than 0,1 %
Arsenic	Not more than 3 mg/kg
Lead	Not more than 2 mg/kg

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