



# "GrayWolf" W.Szwaja

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## Product Data Sheet

### Urea grade GW01

#### **Description:**

urea chemically pure, crystalline, Ph. Eur. (Pharmacopoea Europaea), USP (United States Pharmacopeia)

#### **Specification:**

appearance	fine white crystals
identity	passes test
assay (NH <sub>2</sub> ) <sub>2</sub> CO	99,6 - 100,5 %
loss on drying (water)	≤ 0,50 %
water (according to Karl Fischer)	≤ 0,20 %
melting point	132,0 - 135,0 °C
organic impurities / biuret	≤ 0,1 %
appearance of solution	clear and colourless
alkalinity (0,01 M HCl/0,5g)	≤ 0,40 ml
insoluble matter (in C <sub>2</sub> H <sub>5</sub> OH)	≤ 0,010 %
chloride (Cl <sup>-</sup> )	≤ 70,0 mg/kg
sulphate (SO <sub>4</sub> <sup>2-</sup> )	≤ 100,0 mg/kg
ammonium (NH <sub>4</sub> <sup>+</sup> )	≤ 500,0 mg/kg
heavy metals (as Pb)	≤ 3,0 mg/kg
sulfated ash	≤ 0,10 %
iron (Fe)	≤ 1,0 mg/kg
arsenic (As)	≤ 0,50 mg/kg
copper (Cu)	≤ 1,0 mg/kg

This product complies to the requirements according to ICH (International Conference on Harmonisation) Guideline Impurities: "Residual solvents" (CPMP/ICH/283/95) – Ph. Eur. and/or USP.

#### **Packing:**

25 kg cardboard boxes on 750 kg net pallet (30 boxes x 25 kg)