



CARBAMIDE grade "A" $\text{H}_2\text{N-CO-NH}_2$

GOST 2081-2010 (TN VED code 310 210 1000)

It is widely used in industry. It is used in large quantities in the production of plastics, adhesives, resins. In the pharmaceutical industry, urea is used for the preparation of a number of drugs. It is used as a softener in the production of cosmetic creams and lotions, in the production of synthetic dyes and detergents.

The name of indicators	Top grade	1st grade
Mass fraction of nitrogen in terms of dry matter,%, not less	46.3	46.2
Mass fraction of biuret,%, no more	0.6	1.4
Mass fraction of free ammonia,%, no more, for urea: - crystalline	0.01	0.01
- granular	0.02	0.03
Mass fraction of water,%, no more: - hygroscopic	0.3	0.3
- general	0.6	0.6

Safety requirements : urea under normal conditions is non-flammable, fire and explosion proof.

According to the degree of impact on the human body, carbamide is classified as a moderately hazardous substance of the 3rd hazard class.

Packing : in polypropylene bags of 25, 40 and 50 ± 1 kg.

Transportation : in bulk and packed.

Shelf life : 6 months from the date of manufacture.

The guaranteed shelf life of urea intended for retail trade is 2 years from the date of manufacture.

CARBAMIDE grade "B" H₂N-CO-NH₂

**GOST 2081-2010 (TN VED code 310 210
1000)**

Urea is a highly effective fertilizer containing 46% nitrogen, which basically determines the economic feasibility of its use in agriculture as a fertilizer.

It is the most concentrated nitrogen fertilizer. The main macronutrient of urea is nitrogen, a chemical element extremely important for the normal full life of a plant.

The element is directly related to the construction of biomolecules and is included in the most important acids and proteins. Thus, nitrogen actively stimulates and promotes the growth of plants and crops. Granular fertilizer, highly soluble in water, quickly absorbed by plants.

Urea is used as the main fertilizer and for top dressing, with immediate incorporation into the soil to prevent losses in the form of gaseous ammonia. It is used on all types of soils. The advantage of urea in comparison with ammonium nitrate is that it burns less plant leaves, therefore urea is recommended for foliar feeding of plants. Can be used in protected ground conditions.

The name of indicators	Top grade	1st grade	2nd grade
Mass fraction of nitrogen in terms of dry matter,%, not less	46.2	46.2	46.2
Mass fraction of biuret,%, no more	1.4	1.4	1.4
Mass fraction of water,%, no more:			
- hygroscopic	0.3	0.3	0.3
- general	0.5	0.5	0.6
Looseness,%	100	100	100
Grading, %:			
mass fraction of granules in size, mm	94	94	94
- from 1 to 4, not less	70	50	-
- from 2 to 4, not less	3	5	5
- less than 1, no more	Absent.	Absent.	Absent.
- sieve residue 6 mm			