STATE CONCERN
"TURKMENCHEMISTRY"
“Marykarbamid” PLANT
CARBAMIDE (u r e a)

Name of a parameter	Standard for mark and grade				
	A		B		
	extra	first	extra	first	second
1. Nitrogen fraction of total mass on dry basise, %, not less	46,3	46,2	46,2	46,2	46,2
2. Biuret (Ureido Formamide) fraction of total mass, %, no more	0,6	1,4	1,4	1,4	1,4
3. Loose ammonia fraction of total mass, %, no more, for carbamide					
- crystal	0,01	0,01	-	-	-
- prilled	0,02	0,03	-	-	-
4. Mass share of water, %, no more:					
- Method of drying	0,3	0,3	0,3	0,3	0,3
- Method Fishera	0,6	0,6	0,5	0,5	0,6
5. Friability, %	-	-	100	100	100
6. distribution of sizes, %:					
- fraction of total mass of granules with size, mm :					
▪ 1 - 4, not less	-	-	94	94	94
▪ 2 - 4, not less	-	-	70	50	-
▪ less than 1, not less	-	-	3	5	5
▪ 6-mm sieve residue, no more	-	-	Absence		
7. Static hardness of granules, kgf/granule, not less	-	-	0,7	0,5	0,3

Crystal carbamide (urea) is received from ammonia and carbon dioxide. carbamide is used in an industry as raw materials at manufacturing of pitches, glues, etc., for use in agriculture as mineral nitrogen fertilizer. Carbamide can be utilized in animal husbandry as fodder additive.

Depending on purpose, two carbamide marks are produced: A- for industry; B – for agriculture. Carbamide is non-combustible, fire-and is explosion-proof under normal conditions. As regards to its influence on organism, it falls into 3-rd class of hazardous substances. Carbamide is packed in paper bitumized of laminated bags, polyethylene bags, woven polymeric laminated bags woven polymeric bags with inserts, and also in soft specialized containers as MKR-1, OS. Carbamide is stored in closed store rooms protecting the product from rainfall. At storage of product in bulk its mixture with other fertilizers is not permitted. It is permitted to store carbamide containers and transport packages fastened by synthetic film on open areas.

Warranty period of product storage – 2 years from the date of manufacturing.