

**SPECIFICATION for PRILLED UREA N 46**

UREA CARBAMIDE, CARBONYLDIAMIDE, AGRICULTURAL GRADE, PRILLED, STANDARD

Standards according to GOST 2081-92

|                                       |                                                           |
|---------------------------------------|-----------------------------------------------------------|
| Nitrogen                              | 46% by weight minimum                                     |
| Moisture.                             | 0.5% max by method of drying                              |
| Fisher                                | 0.3% Max. Dryer                                           |
| Biuret                                | 1.0% max. by weight                                       |
| Anti-Caking Agent                     | Treated against Anti-Caking                               |
| Free ammonia                          | 160 PXT PPM maximum                                       |
| Granulation                           | 0.85 – 3.35 mm not less than 90 %                         |
| Melting point                         | 132 degrees centigrade                                    |
| Solubility in water at 20°C           | 100g/100 ml of water                                      |
| PH of 10 % solution                   | 7.5 – 10.0 units                                          |
| Color                                 | Standard White or Pure White                              |
| Critical Relative Humidity (30°C)     | 73 %                                                      |
| Quality                               | Free flowing, non clotted<br>Free from harmful substances |
| Physical State                        | Solid at 20°C, 101 KPA white granules                     |
| Specific Gravity                      | Solid at 20°C, - 1.335 t/m                                |
| Molecular Weight                      | 60.065                                                    |
| Physical Presentation                 | Spherical beads or pellets, white                         |
| Apparent density (kg/m <sup>3</sup> ) | 770 – 809 kg/m <sup>3</sup>                               |
| Salinity Index                        | 75.4                                                      |

