

# PRODUCT: Urea Granular & Prilled

## PRODUCT DATA SHEET

**APPLICATION:** It is available in two grades - Grade A for industrial use and Grade B for agriculture. Industrial applications include metal treatment, tanneries, water treatment, glue & resins, wood industry, health & beauty products, construction etc. While Feed Grade Urea is also deployed as animal feed, a nutritional additive used in diets for ruminant livestock such as cattle, sheep and goats, promoting feed digestibility and intake. It is a colourless, odourless solid, highly soluble in water, and practically non-toxic and when dissolved in water, it is neither acidic nor alkaline.

**SYNONYMS:** Carbamide, Basodexan, Carmol etc.

**PACKAGING:** Offered in 25/50/1000 Kg moisture-proof PP/HDPE Bags & Bulk.

**SPECIFICATIONS:** Urea Granular

CHARACTERISTICS	STANDARD
Fraction of nitrogen in dry substance, %, not less than	46.2
Mass fraction of biuret, %, not more than	1
Mass fraction of water, %, not more than: - Hygroscopic - General	0.3 0.5
Mealiness %	100
Dimensions of granules, %: Mass fraction of granules size, mm: - From 1 to 4, not less - From 2 to 4, not less - Less than 1, not more - Screen residue, 6 mm, not more	94 70 3 Absent
Static strength of granules, MPa (kg / cm <sup>2</sup> ), not less than or in terms of 1 granule, N, (kgf), not less than	1.4 (14)  0.7 (7)

**SPECIFICATIONS:** Urea Prilled

CHARACTERISTICS	TEST METHOD	LIMITS	VALUE
Nitrogen Content, Wt%	BS DIN EN 15479	Min 46.0	46.21
Biuret Content, Wt%	BS DIN EN 15479	Max 1.0	0.94
Moisture, Wt%	ISO 760	Max 0.3	0.14
Particle Size, %	ISO 8397	Min 92	98.1
Formaldehyde, %	ISO H.F.T 1.6 and SBB 0071-02-E	Max 0.4	0.23
Formaldehyde in Industrial Urea, PPM		Max 100	10
Ant-Cake, PPM	Eurasoft Method	Max 1000	347
Anti-Cake in Industrial Urea, PPM	Eurasoft Method	Max 25	<25