



Technical Urea – Data Sheet

Property	Specification	Unit	Test Method	Result
Chemical Formula	$\text{CO}(\text{NH}_2)_2$	–	–	Confirmed
Nitrogen Content (as N)	≥ 46.0	% wt.	ISO 5315 / ASTM D516	46.3
Biuret Content	≤ 1.0	% wt.	ISO 18642	0.8
Moisture (H ₂ O)	≤ 0.4	% wt.	ISO 760	0.2
Insoluble Matter in Water	≤ 0.02	% wt.	ISO 18642	0.015
Particle Size (1–3 mm)	≥ 90	%	ISO 8397	92
Bulk Density	730 – 770	kg/m ³	ISO 3944	748
Free Ammonia	≤ 0.02	% wt.	ISO 22241	0.015
Formaldehyde (as stabilizer)	0.3 – 0.6	% wt.	Internal Method	0.5



Color / Appearance	White, free-flowing granules	–	Visual	Pass
Purity	≥ 99.8	%	ASTM D7875	99.85