

Technical Data Sheet

Granular Urea

The urea fertilizer, also popularly called forty six zero zero (46-0-0), is a simple or straight (single-element) fertilizer that supplies the major essential element nitrogen in ammoniac form (NH₄⁺). The positively charged ammonium ion (NH₄⁺) is nonvolatile and is one of the two forms of nitrogen that can be absorbed by plants, the other being nitrate (NO₃⁻).

Application:

- Nitrogen-release fertilizer
- Manufacture of melamine and urea-formaldehyde resins with various applications such as adhesives, moldings, laminates, plywood, and coatings.
- Manufacture of pollution control solutions for selective catalytic reduction (SCR) system

Property	Value	Units	Test Method
Nitrogen Content	46min	wt%	201-E (DSM)
MOISTURE	0.5max	wt%	805-1-E (DSM)
BIURET CONTENT	1.0 max	wt%	135-E (DSM)
PARTICLE SIZE (2-4mm)	90 min	%	158-E (DSM)
Formaldehyde	0.55max	wt%	