



TECHNICAL DATA SHEET

Product Name: Guanidinoacetic Acid

Synonyms: Glycocyanine

Chemical Formula: $C_3H_7N_3O_2$

CAS Number: 352-97-6

Molecular Weight: 117.11 g/mol

Grade: Feed additive

Product Forms & Specifications

Parameter	Specification
Assay (dry basis)	≥98.0%
Moisture	≤1.0%
Ignition Residue (Ash)	≤0.1%
pH (1% solution)	4.5-6.5
Heavy Metals (Pb)	≤10ppm
Arsenic (As)	≤2ppm
Loss on Drying	≤1.0%
Appearance	White crystalline powder
Odor	Odorless or faint odor

Key Functional Benefits

- **Animal Feed Additive:**
Widely used in poultry and livestock feed as a **creatine precursor**, enhancing **muscle growth**, **feed efficiency**, and **energy metabolism**.
- **Nutritional Supplement:**
Applied in sports nutrition and functional food research (non-approved in some regions for human consumption).
- **Biochemical Reagent:**
Used in scientific research as an intermediate in creatine synthesis pathways.

Packaging

- 25 kg kraft paper bags with PE inner liner
- Custom packaging options (10kg, 500g foil bags) available upon request

Storage & Shelf Life

- Store in a cool, dry, well-ventilated area
- Keep away from moisture, direct sunlight, and strong oxidants
- Shelf life: 24 months in unopened packaging

Safety & Transport Information

- Hazard Classification: Not classified as hazardous according to GHS
- Transport: Non-dangerous goods
- Handling: Avoid inhalation and contact with eyes or skin
- SDS available upon request