



TECHNICAL DATA SHEET (TDS)

POWERBALL 10-0-5

Granular organomineral fertiliser

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CEON Enterprise Ltd - Agricultural plant nutrition and specialty fertiliser documentation

1. Product identity and positioning

POWERBALL 10-0-5 is a organomineral granule classified as a granular organomineral fertiliser. A granular organomineral fertiliser combining organic matter, nitrogen, potassium and amino acids for sustained soil and crop nutrition.

The product is intended for integration into a crop-specific nutrition programme based on soil or substrate analysis, irrigation-water quality, crop stage and local agronomic conditions.

2. Guaranteed analysis

Parameter	Specification
Total Organic Matter	50% w/w
Total Nitrogen (N)	10% w/w
Water-soluble Potassium Oxide (K ₂ O)	5% w/w
Maximum Moisture	5% w/w
Total Amino Acids	10% w/w

Values are catalogue declarations. Commercial batch release must be supported by the signed batch COA and the approved market label.

3. Functional agronomy

- Organic matter contributes to improved soil physical and biological conditions.
- Nitrogen supports canopy formation and productive growth.
- Potassium contributes to water regulation and assimilate transport.
- Amino-acid content supports plant metabolism and recovery.

4. Recommended application framework

Primary timing: basal application, planting and early-to-mid crop development. Final dose and frequency must be established by an agronomist and aligned with the registered label in the country of use.

Application route	Professional starting framework	Operational notes
Soil / basal	100-400 kg/ha depending on crop and analysis	Place or incorporate without direct seed/root burn risk.
Side dressing	According to crop N demand	Apply before irrigation or rainfall where appropriate.

These rates are technical starting points, not a substitute for the approved commercial label or local registration.

5. Mixing and water-management procedure

- Fill the mixing tank to at least one-half with clean water and start agitation.
- Add product slowly; allow full dispersion or dissolution before adding further components.
- Maintain agitation during preparation and application.
- Perform a jar test before combining with calcium-rich, strongly acidic/alkaline or pesticide products.
- Avoid mixing concentrated stock solutions unless chemical compatibility is confirmed.
- Flush fertigation equipment after use and prevent dried residues in filters and emitters.

6. Quality-control characteristics

Control item	Release expectation
Identity / appearance	Organomineral granule
Declared nutrients	Conformity with guaranteed analysis and approved tolerance
Homogeneity	Uniform product without abnormal separation or foreign matter
Solubility / dispersibility	Suitable for intended application route
Packaging integrity	Sealed, correctly labelled and traceable by batch
Retained sample	Maintained under the manufacturer quality system

7. Storage, handling and shelf-life control

- Store in the original, tightly closed package in a cool, dry and ventilated place.
- Protect from direct sunlight, frost, excessive heat, moisture and contamination.
- Keep away from food, feed, children and unauthorised persons.
- Use first-in/first-out stock rotation and inspect packaging before dispatch.
- Shelf life and expiry shall follow the approved label and batch documentation.

8. Regulatory and technical notice

This TDS is prepared from the CEON catalogue declaration for technical communication. Product registration, market label, SDS classification, transport status and claims must be confirmed for the destination country before commercial placement. Agronomic response varies with crop, climate, soil, water and management.