

CEON CHEMICAL COMPANY

TECHNICAL DATA SHEET (TDS)

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1. Product Description

Liquid organic fertiliser with plant-origin amino acids

2. Guaranteed Analysis and Analytical Methods

Parameter	Specification	Analysis Method
Total Organic Matter	15% w/v	Gravimetric loss-on-ignition method
Organic Carbon (C)	6% w/v	TOC analyser or validated wet-oxidation method
Organic Nitrogen (N)	1% w/v	Kjeldahl method (validated fertiliser matrix procedure)
Free Amino Acid	10% w/v	HPLC-UV/FLD after validated hydrolysis/derivatisation
Water-soluble Potassium Oxide (K ₂ O)	3% w/v	ICP-OES or flame photometry after extraction
Water-soluble Iron (Fe)	0.03% w/v	ICP-OES after appropriate acid digestion/extraction
Water-soluble Manganese (Mn)	0.012% w/v	ICP-OES after appropriate acid digestion/extraction
Water-soluble Molybdenum (Mo)	0.02% w/v	ICP-OES after appropriate acid digestion/extraction
Water-soluble Zinc (Zn)	0.05% w/v	ICP-OES after appropriate acid digestion/extraction

3. Key Benefits

Provides readily available plant-origin L-amino acids and micronutrients to support rapid recovery, shooting, vegetative growth, fruit filling and tissue regeneration.

4. Recommended Use Areas

Citrus, pome and stone fruit, vineyards, maize, cotton and tuber crops.

5. Application Rate

Soil: generally 15-20 L/ha. Foliar: generally 200-300 ml per 100 L water.

6. Packaging

1 L, 5 L, 10 L, 20 L

7. Mixability and Storage

Conduct a small-container compatibility test before tank mixing. Do not exceed recommended rates. Store tightly closed in a cool, dry and ventilated area, protected from direct sunlight and frost.

8. Quality Note

Analytical methods shown are technically appropriate reference methods for the declared parameter and product matrix. Batch release results are recorded in the applicable COA.