TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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SEQUESTRA™ Series – Sequestra ECO 32

Sustainable Sequestering Agent

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Sequestra ECO 32 is an eco-friendly and biodegradable sequestering agent designed to chelate metal ions such as calcium, magnesium, iron, and other trace metals in textile wet processing.
It promotes sustainable textile processing by minimizing environmental impact while ensuring effective prevention of metal-induced discoloration, scale formation, and bleaching agent decomposition.

Key Performance Properties:

- **Biodegradable and environmentally safe formulation.**
- **Effective chelation of Ca^{2+}, Mg^{2+}, Fe^{3+}, and other metal ions.**
- **Prevents scale, stains, and metal-catalyzed bleaching decomposition.**
- **Enhances dye uniformity and fabric brightness.**
- **Stable across a broad pH range and temperature.**
- **Compatible with various textile auxiliaries.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	6.0 – 8.0
Ionic Nature	Anionic
Water Miscibility	Fully soluble
Stability	Stable at pH 4 – 10 and temperatures up to 80 °C

Application:

- **Suitable for use in scouring, bleaching, dyeing, and finishing baths.**
- **Typical dosage: 0.5 – 1.5 g/L depending on water hardness and process conditions.**
- **Helps reduce environmental footprint in textile processing.**
- **Optimize dosage by lab trials for specific requirements.**

Precautions:

- **Avoid mixing with strong acids or incompatible substances.**
- **Use personal protective equipment during handling.**
- **Store in tightly closed containers to maintain quality.**

Packing Size:

Available in 25 kg, 60 kg, and 120 kg HDPE drums.

Storage:

- **Store in a cool, dry, ventilated place below 40 °C.**
- **Shelf life of 12 months when kept in original sealed packaging.**
- **“Best use before end” date marked on product label.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: SEQUESTRA™ Series – Sequestra ECO 32
Category: Sustainable Sequestering Agent