TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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NEUACITH™ Series – NEUACITH ECO

Green Acid – Eco-Friendly, Biodegradable
Manufacturer: Tusi Haytham Bio Limited

Product Description:

NEUACITH ECO is an eco-friendly, biodegradable green acid designed for textile dyeing and finishing processes. It provides controlled pH adjustment, neutralization, and residual alkali correction while ensuring minimal environmental impact.
Ideal for cotton, blended fabrics, and reactive dye processes, NEUACITH ECO supports sustainable textile processing without compromising fabric quality or color uniformity.

Key Performance Properties:

- **Biodegradable and environmentally safe.**
- **Provides effective neutralization of residual alkalinity.**
- **Maintains fabric integrity and enhances color consistency.**
- **Compatible with most textile auxiliaries and finishing chemicals.**
- **Reduces environmental load in effluent treatment.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
Active Content	≥ 40 % (as acid equivalent)
Density (25 °C)	1.05 ± 0.02 g/cm³
pH (1% solution)	3.0 – 4.0
Solubility	Fully miscible in water
Biodegradability	> 90 % under standard conditions
Stability	Stable under normal storage and processing conditions

Application:

- **Use NEUACITH ECO for neutralizing residual alkalinity or pH adjustment in dyeing and finishing baths.**
- **Typical dosage: as required to achieve target pH, depending on fabric type and process.**
- **Ensure uniform mixing for effective performance.**
- **Compatible with other textile auxiliaries; optimize dosage via lab trials for best results.**

Precautions:

- **Avoid contact with eyes and skin; wear protective gloves and goggles.**
- **Do not mix with strong oxidizers or incompatible chemicals.**
- **Store in tightly sealed containers to maintain product quality.**

Packing Size:

Available in 25 kg, 60 kg, and 200 kg HDPE drums.

Storage:

- **Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf life: 12 months from date of manufacture in unopened containers.**
- **Check product label for “Best use before end” date.**

Issued by:

Tusi Haytham Bio Limited – Technical Division
Product: NEUACITH™ Series – NEUACITH ECO
Category: Green Acid – Eco-Friendly, Biodegradable