TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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NEUACITH™ Series – NEUACITH XTR

Green Acid – High Concentration Strong Neutralizer
Manufacturer: Tusi Haytham Bio Limited

Product Description:

NEUACITH XTR is a high-concentration green acid formulated as a strong neutralizer for textile and chemical processes.
It provides rapid and efficient neutralization of high residual alkalinity in dyeing and finishing baths, ensuring fabric protection, color uniformity, and optimal fastness.
Ideal for reactive dyes, cotton, blended fabrics, and processes with strong alkali residues, it delivers consistent neutralization performance with minimal usage.

Key Performance Properties:

- **Provides fast and effective neutralization of residual alkalinity.**
- **Enhances fabric quality and color consistency.**
- **Minimizes fiber damage due to excessive alkalinity.**
- **Compatible with most textile auxiliaries and finishing chemicals.**
- **High-concentration formulation reduces dosage and handling volume.**

Typical Properties:

Property	Specification
Appearance	Clear liquid
Active Content	≥ 85 % (as acid equivalent)
Density (25 °C)	1.07 ± 0.02 g/cm³
pH (1% solution)	2.0 -2.5
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

Application:

- **Add NEUACITH XTR to dyeing or finishing baths to neutralize high residual alkalinity.**
- **Typical dosage: as required to achieve target pH, depending on fabric type and alkali level.**
- **Ensure thorough mixing for uniform neutralization.**
- **Compatible with other textile auxiliaries; optimize dosage via lab trials.**

Precautions:

- **Avoid contact with eyes and skin; wear protective gloves and eyewear.**
- **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 XTR
Category: Green Acid – High Concentration Strong Neutralizer