TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

Date 23.10.2025 Version: thbl-01

NEUACITH™ Series – NEUACITH PRO

Green Acid – Core Alkaline Neutralizer
Manufacturer: Tusi Haytham Bio Limited

Product Description:

NEUACITH PRO is a specialized green acid formulated as a core alkaline neutralizer for textile and chemical processes.
It provides precise neutralization of residual alkalinity after dyeing or finishing, ensuring fabric integrity, color uniformity, and optimal fastness properties.
Ideal for cotton, blended fabrics, and reactive dye processes, it enhances process safety and minimizes fiber damage.

Key Performance Properties:

- **Effectively neutralizes residual alkalinity in textile baths.**
- **Maintains fabric quality and color consistency.**
- **Reduces the risk of fiber damage due to excessive alkalinity.**
- **Compatible with most dyeing auxiliaries and finishing chemicals.**
- **Eco-friendlier alternative to strong mineral acids.**

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
Stability	Stable under normal storage and processing conditions

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Application:

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

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 the 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 PRO
Category: Green Acid – Core Alkaline Neutralizer