TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

Date 23.10.2025 Version: thbl-01

NEUACITH™ Series – NEUACITH ACA

Green Acid – Acetic Acid Based
Manufacturer: Tusi Haytham Bio Limited

Product Description:

NEUACITH ACA is a high-purity acetic acid-based green acid formulated for textile, chemical, and dyeing applications.
It provides precise pH control, uniform acidification, and safe handling during processes such as reactive dye fixation, neutralization, and pH adjustment.
Ideal for cotton, blended fabrics, and industrial applications, it ensures consistent process results and improved fabric quality.

Key Performance Properties:

- **Provides effective pH adjustment in aqueous systems.**
- **Enhances reactive dye fixation and uniformity.**
- **Reduces risk of fiber damage due to controlled acidity.**
- **Compatible with most dyeing auxiliaries and textile chemicals.**
- **Environmentally safer compared to strong mineral acids.**

Typical Properties:

Property	Specification
Appearance	Clear, colorless to pale yellow liquid
Active Content	≥ 99 %
Density (25 °C)	1.05 ± 0.02 g/cm³
pH (1% solution)	2.5 – 3.0
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

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Application:

- **Use NEUACITH ACA for pH adjustment, neutralization, and dye fixation.**
- **Typical dosage: as required to achieve target pH, depending on process and fabric type.**
- **Ensure proper mixing for uniform acidification.**
- **Compatible with most textile auxiliaries; optimize dosage via lab trials for specific applications.**

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 prevent evaporation and contamination.**

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 ACA
Category: Green Acid – Acetic Acid Based