TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

Date 23.10.2025 Version: thbl-01

CLEANTHRA™ Series – CLEANTHRA LTA

Wash-Off / Soaping Agent & Neutralizer – Low Temperature
Manufacturer: Tusi Haytham Bio Limited

Product Description:

CLEANTHRA LTA is a low-temperature wash-off agent and neutralizer designed to remove unfixed dyes and neutralize residual alkalinity in fabrics after dyeing.
It provides effective cleaning at reduced temperatures while maintaining fabric integrity, softness, and uniform shade.
Ideal for use in energy-efficient textile finishing, especially for cotton, polyester, nylon, and blended fabrics.

Key Performance Properties:

- **Efficiently removes unfixed dyes at low temperatures (50–70 °C).**
- **Neutralizes residual alkalinity to protect fabric quality.**
- **Ensures uniform fabric shade and prevents dye redeposition.**
- **Improves fabric brightness, hand feel, and overall appearance.**
- **Compatible with common textile auxiliaries and detergent systems.**
- **Reduces energy and water consumption during post-dyeing treatment.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
pH (25 °C)	6.0 – 7.5
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under normal low-temperature washing and neutralizing conditions
Specific Gravity (25 °C)	1.01 ± 0.02

Application:

- **Add CLEANTHRA LTA to the wash-off bath after dyeing.**
- **Typical dosage: 0.5 – 2.0 % owf, depending on fabric type and dye system.**
- **Operate at 50–70 °C for 20–40 minutes, stirring gently.**
- **Rinse thoroughly after treatment to remove unfixed dyes and residual chemicals.**
- **Compatible with other detergents and textile auxiliaries.**

Precautions:

- **Avoid contact with eyes and skin; wear protective gloves and goggles.**
- **Do not mix with strong acids or incompatible chemicals in concentrated form.**
- **Store in tightly sealed containers in a cool, dry place.**

Packing Size:

Available in 25 kg, 60 kg, and 120 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: CLEANTHRA™ Series – CLEANTHRA LTA
Category: Low-Temperature Wash-Off / Neutralizer