TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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CLEANTHRA™ Series – CLEANTHRA PRO

Wash-Off / Soaping Agent – Unfixed Dyes Wash-Off Agent
Manufacturer: Tusi Haytham Bio Limited

Product Description:

CLEANTHRA PRO is a specialized wash-off and soaping agent designed to remove unfixed dyes from fabrics after dyeing.
It ensures effective cleaning, prevents redeposition of dyes, and improves fabric brightness, softness, and uniformity.
Ideal for use in post-dyeing finishing of cotton, polyester, nylon, and blended fabrics.

Key Performance Properties:

- **Efficiently removes unfixed dyes and prevents shade bleeding.**
- **Improves fabric brightness, uniformity, and hand feel.**
- **Reduces water and chemical consumption during wash-off.**
- **Compatible with common textile auxiliaries and detergent systems.**
- **Reduces the risk of dye redeposition on fabric.**

Typical Properties:

Property	Specification
Appearance	Clear to light yellow liquid
pH (25 °C)	7.0 – 9.0
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under normal washing and soaping conditions
Specific Gravity (25 °C)	1.01 ± 0.02

Application:

- **Add CLEANTHRA PRO to the wash or soaping bath after dyeing.**
- **Typical dosage: 0.5 – 1.0 % owf, depending on fabric type, shade depth, and dye system.**
- **Maintain bath temperature according to the fabric and dye type (generally 60–95 °C).**
- **Stir well to ensure complete dispersion.**
- **Rinse thoroughly after treatment for optimal results.**

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 PRO
Category: Wash-Off / Soaping Agent