TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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CLEANTHRA™ Series – CLEANTHRA PETRA

Polyester Reducing & Cotton Wash-Off Agent – 2-in-1
Manufacturer: Tusi Haytham Bio Limited

Product Description:

CLEANTHRA PETRA is a dual-action 2-in-1 agent designed for polyester reduction and cotton scouring in blended fabrics.
It effectively scour cotton part and performs polyester reduction, ensuring uniform shade, fabric brightness, and softness.
Ideal for blended fabric finishing, providing energy-efficient and time-saving processing.

Key Performance Properties:

- **Simultaneously scour cotton part and reduces polyester surface impurities.**
- **Prevents dye redeposition and ensures uniform shade.**
- **Enhances fabric brightness, hand feel, and overall appearance.**
- **Reduces water, energy, and chemical consumption.**
- **Compatible with common textile auxiliaries and detergent systems.**
- **Suitable for blended fabrics containing cotton and polyester.**

Typical Properties:

Property	Specification
Appearance	Clear to light yellow liquid
pH (25 °C)	6.5 – 8.0
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under normal wash-off and polyester reduction conditions
Specific Gravity (25 °C)	1.02 ± 0.02

Application:

- **Add CLEANTHRA PETRA to the wash-off or reduction bath after dyeing.**
- **Typical dosage: 0.5 – 2.0 % owf, depending on fabric type and dye system.**
- **Operate at 60–95 °C for 20–40 minutes with gentle stirring.**
- **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 PETRA
Category: Polyester Reducing & Cotton Wash-Off Agent – 2-in-1