TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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LEVINEX™ Series – LEVINEX™ A-300
Advanced Acrylic Levelling System – for Uniformity, Penetration & Perfection
Manufacturer: Tusi Haytham Bio Limited

Product Description:

LEVINEX™ A-300 is a high-performance acrylic-based levelling agent formulated to provide exceptional uniformity, penetration, and perfection in textile dyeing processes. Its advanced formulation ensures consistent dye uptake, leading to vibrant and uniform coloration across various fabric types.

Key Performance Properties:

- **Enhanced Dye Penetration: Facilitates deep and even dye penetration, ensuring consistent coloration throughout the fabric.**
- **Superior Levelling: Prevents dyeing defects such as streaks and spots, resulting in a flawless finish.**
- **Improved Fabric Handle: Contributes to a soft and smooth fabric feel, enhancing the overall quality.**
- **High Compatibility: Compatible with a wide range of dyeing systems and auxiliaries.**
- **Eco-Friendly: Formulated with environmentally friendly components, adhering to sustainability standards.**

Typical Properties:

Property	Specification
Appearance	Clear to light yellow liquid
pH (25 °C)	6.0 – 8.0
Ionic Nature	Anionic / Nonionic blend
Solubility	Fully soluble in water
Stability	Stable under standard dyeing conditions
Specific Gravity (25 °C)	1.05 ± 0.02

Application:

- **Dyeing Process: Add LEVINEX™ A-300 to the dye bath before introducing dyes.**
- **Typical Dosage: 0.5 – 2.0% owf (on weight of fabric), depending on fabric type and dye system.**
- **Operating Conditions: Temperature: 130–135 °C; Time: 30–60 minutes.**
- **Rinse: Thoroughly rinse after dyeing to remove residual chemicals.**
- **Compatibility: Compatible with other textile auxiliaries and dyeing chemicals.**

Precautions:

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

Packing Size:

- **Available in: 25 kg, 60 kg, and 120 kg HDPE drums.**

Storage:

- **Conditions: Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf Life: 12 months from the date of manufacture in unopened containers.**
- **Note: Check product label for “Best use before end” date.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: LEVINEX™ Series – LEVINEX™ A-300
Category: Advanced Acrylic Levelling System – for Uniformity, Penetration & Perfection