TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

Date 23.12.2025 Version: thbl-01

TUSCRA ONE™ Series – Tuscra AIO

Wet Rubbing Fastness Improver.

Multi-Function Agent.

Manufacturer: Tusi Haytham Bio Limited.

1. PERFORMANCE INTRODUCTION:

Tuscra AIO wet rubbing fastness improver is a high molecular polymer. It can significantly improve the rubbing fastness of fabric. It is mainly used to improve the wet rubbing fastness of reactive dyes and curing dyes, so it can be applied to the rubbing fastness of cotton and wool fabrics.

Tuscra AIO can significantly improve the wet rubbing fastness of fabrics, as dark fabrics can enhance the 1-2 level.

2. TYPICAL PHYSICAL PROPERTIES:

Appearance:	Yellowish-brown liquid
PH:	5± 1 (1% water solution)
Ionic:	Cationic

Soluble: The available water in any proportion of dilution.

3. APPLICATION:

①Dipping process recommended usage:

Medium light color fabric 2~3% (o.w.f)

Deep color fabric 3~ 5% (o.w.f)

Bath ratio 1: 8 ~ 10; Temperature 40 ~ 60℃; Time between 20 ~ 30 minutes

Process: dyeing→washing→fixation→dehydration→drying→finished product

②Padding method recommended usage:

The amount of 30 to 60 g /L.

Rolling liquid rate 70% PH:4~6

Process: Dyeing→washing→dipping→drying→finished product

4. MATTERS NEEDING ATTENTION:

① The cloth to clean, no alkali, salt, or other impurities.

② Use a soft water solution.

③ Can not be used in the same bath with anionic auxiliaries.

5. PACKAGE AND STORAGE:

Package: 50Kg or 125Kg each package.

Storage: One year under normal room temperature. Avoid isolating.

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: TUSCRA ONE™ Series – Tuscra AIO