

# Tannin™ Has It.

LIONFILL WS

tannincorp.com

## COMPOSITION

A digested liquid protein filler.

## SPECIFICATIONS

Appearance	Brown liquid / paste
Activity	65% (± 2)
Charge	Anionic
Density (Lb/Gal)	8.0 (± 0.2)
pH (10% Solution)	7.5 - 8.5
Storage Stability	One year at room temperature. Optimum storage temperature is between 15°C and 30°C.
Freeze/Thaw Stability	Not sensitive to freezing. After freezing heat to 25°C to 30°C and mix well until homogeneous.
Lightfastness	Excellent
Electrolyte Stability	Good
Emulsification	Mix before use. Readily soluble in warm water. Emulsify 1:4 at 40°C to 60°C.

## KEY PROPERTIES

**LIONFILL WS** is a protein-based filler that does an excellent job of filling the looser areas of the leather without excessive firmness. **LIONFILL WS** will also improve the dyeing value and retain chemical distribution when applied after the **LIONFILL WS** (i.e. dye, waterproofing, retanning and fatliquoring).

- Excellent selective filling of loose fiber areas
- Excellent filling action while maintaining overall softness
- Highly recommended for automotive upholstery
- Excellent milling properties
- Produces good to excellent finishing properties on the leather
- Excellent heat and light resistance

## APPLICATIONS

Recommended usage is 4% to 8% on Blue shaved weight.



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