

# Tannin™ Has It.

## LIONFILL 50-ND

[tannincorp.com](http://tannincorp.com)

### COMPOSITION

A combination protein-based filler.

### SPECIFICATIONS

Appearance	Off-white powder
Activity	100%
Charge	Anionic
pH (10% Solution)	4.0 - 6.0
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	Good

### KEY PROPERTIES

**LIONFILL 50-ND** is a combination filler that promotes a round, well-filled leather with tight break. Cutting efficiencies are increased at the customer's factory as **LIONFILL 50-ND** tends to fill flanks and improve the overall break while having no detrimental effect on dyeing.

The addition of **LIONFILL 50-ND** is generally made 10 - 20 minutes prior to the addition of the fatliquor in the same bath. If the stock requires additional filling, it is advisable to also add a small percentage following the fatliquor run.

- Fills and tightens grain and flanks
- Improves break
- Good buffing properties
- Firms leather in larger quantities
- Good dyeing properties and uniformity

### APPLICATIONS

Recommended usage is 2% to 6% on Blue shaved weight.



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