

# TRUPOWET<sup>®</sup> LPH

## enzymatic soaking agent

Basis:	lipolytic enzymes and activators
Appearance:	beige powder
pH value (1 : 10):	approx. 11

### **Properties:**

**TRUPOWET LPH** is a well-balanced mixture of lipolytic enzymes and activators, especially designed for a mild, but efficient soaking effect. Special activators are incorporated, which greatly optimise the enzymatic soaking effect.

**TRUPOWET LPH** provides excellent results in terms of flatness, cleanliness and especially grain tightness. The results are often improved compared to standard processes using proteolytic enzymes (dependant on the raw material). Furthermore, **TRUPOWET LPH** has a lower impact on bacteria-damaged areas (less sueding) compared to standard processes, and the results in terms of veininess (less visible) are very promising.

**TRUPOWET LPH** contributes to a thorough removal of unstructured proteins, proteoglycans, residual blood and dirt, supporting a quick and even penetration of the subsequent liming chemicals and resulting in clean, flat and smooth pelts.

**TRUPOWET LPH** contains a pH-regulating component which maintains the optimal pH value during the soaking period (pH 9-10).

**TRUPOWET LPH** accelerates soaking and is well suited for short-term soaking periods (3 - 6 hrs.), but can also be used for soaking overnight.

**TRUPOWET LPH** is ideally suited for use in processes with reduced water consumption.

Optimum yields can be obtained in combination with a swell-regulating liming process and **TRUPONAT<sup>®</sup>** auxiliary products.

**TRUPOWET LPH** enables a uniform removal of natural fat without the addition of surfactants to the soak.

### **Application:**

**TRUPOWET LPH** must be added undiluted to the soaking float.

Optimum process temperatures are 25 – 28°C and pHs 9-10 (float). At the beginning of the process the pH value is self-adjusting to 9.8 - 10.3 when quantities are correctly calculated. At the end of soaking, pH should ideally be 9.2 - 9.8.

For a longer soaking period of 10 – 24 hours small amounts of alkali (e.g. sodium carbonate) might be required in order to maintain optimum pH value during soaking.

**TRUPOWET LPH** can be used on all types of raw material. Due to its mild effect it is ideally suited for application on sensitive raw material.

It is always recommendable to add a suitable bactericide (e.g. **TRUPOSEPT®**) to avoid uncontrolled bacterial growth.

Recommended quantities:

fresh hides	0.5 – 0.7 % <b>TRUPOWET LPH</b>	3 – 6 hours
salted hides	0.5 – 0.7 % <b>TRUPOWET LPH</b>	3 – 6 hours
	0.4 – 0.6 % <b>TRUPOWET LPH</b>	10 – 12 hours

The addition of a small amount of surfactant is advisable for raw materials with a very high natural fat / grease content, 60-90 minutes after the enzyme addition.

### **Safety and storage:**

When handling **TRUPOWET LPH**, normal safety precautions associated with the handling of chemicals should be observed. For more specific details please refer to our safety data sheets.

**TRUPOWET LPH** can be stored for up to 24 months, if kept in a cool, dry place.

### **Packaging/Containers:**

Bags: 25 kg