

TRUPOWET® 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®** 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 % TRUPOWET LPH	3 – 6 hours
salted hides	0.5 – 0.7 % TRUPOWET LPH	3 – 6 hours
	0.4 – 0.6 % TRUPOWET LPH	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