

# TRUPOWET<sup>®</sup> PH

## enzymatic soaking agent

Appearance:	beige powder
Basis:	proteolytic enzymes and activators
Activity:	1 000 LVU/g, (TEGEWA-method, method related tolerance $\pm$ 10 %)
pH value(1:10):	approx. 11

### **Properties:**

**TRUPOWET PH** is a mild and well-balanced mixture of proteolytic enzymes which is especially adjusted for soaking. Special activators are added in order to improve the soaking effect.

**TRUPOWET PH** accelerates soaking and is ideally suited for short-term soaking periods (4 - 6 hrs.) as well as for soaking overnight.

Optimum efficiency of **TRUPOWET PH** is obtained between pH 9 and 10. The product contains a pH-regulating component which keeps the pH value optimum during the soaking period.

**TRUPOWET PH** contributes to a rapid and extensive removal of unstructured proteins, proteoglycans, residual blood and dirt. So its use results in a quick and even penetration of the subsequent liming chemicals which leads to clean and smooth pelts.

An optimum yield can be obtained in combination with a swell-regulating liming process (**TRUPONAT<sup>®</sup>** products).

**TRUPOWET PH** supports the removal of natural fat.

### **Application:**

**TRUPOWET PH** is added undiluted to the soaking float after the drum, mixer, paddle etc. is loaded with hides/skins and float. At the beginning of the process the pH value is self adjusted at approx. 10 - 10.5 when quantities are correctly calculated. At the end of soaking pH should be between 9.5 and 9.8.

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

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

Should the raw material not be in optimum condition or should soaking last more than 5 - 6 hrs., it is recommended to add a suitable bactericide (e.g. **TRUPOSEPT®**) to avoid uncontrolled bacterial growth.

**Quantities to be used:**

fresh hides	0,5 – 0,8 % TRUPOWET PH	3 – 6 hours
salted hides	0,5 – 0,8 % TRUPOWET PH	3 – 6 hours
	0,3 – 0,5 % TRUPOWET PH	10 – 12 hours
dried hides	1,2 – 2,0 % TRUPOWET PH	12 – 24 hours

**Safety and storage:**

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

**TRUPOWET PH** can be stored for up to 24 months in a dry and cool place.