

DEBAZYM PROBATE

Concentrated bating agent based on selected microbial proteases free of nitrogen designed to suit the needs of all type of leather manufacturing. Working in a wider alkali pH range and even in cold baths, it provides improved area yield. More relaxed but stronger and more elastic leathers are obtained. Hair roots are perfectly eliminated.

Descriptive properties

Appearance	: Light to dark beige, fine powder
pH optimum	: pH 7,0 - 11,0 (optimum 8,2 - 8,8)
Activity	: 1000 ± 50 LVU/g
Storage	: Minimum 1 year - dry storage-

Debazym Probate is a first quality bate developed in 2021 and produced by high technology. Debazym Probate performs better and mildly than standard products on removing scud and provides improved grain quality with better color distribution and softness. It is strongly recommended for dry milling articles to achieve homogeneous grain pattern. The product is based on bacterial proteases standardized and does not contain any ammonium salts and is free of nitrogen.

Debazym Probate provides increased open-up in fiber structure and cleaner grain surfaces. By the use of Debazym Probate along with improved area yield, increased tear strength and therefore increased resistance to mechanical operations are obtained. Hair roots are perfectly eliminated without harming the grain quality.

Debazym Probate completely solubilizes the degraded protein forms, and removes the interfibrillary protein and proteoglycans which cover the collagen fibrils. As a result, more relaxed but stronger and more elastic leathers are obtained.

Application recipes

For an optimum area yield before bating operation a preliminary and effective delimiting of the skins and hides with a proper delimiting agent like Defetcal DK-29 is advised. Depending upon the raw material and the processing conditions the optimum dose changes between (as a guide on pelt weight):

For sheep and light weight calf skins after delimiting: 0,1 – 0,2 % Debazym Probate, mean processing time 25 - 45 minutes.

For garment calf and cow skins after complete delimiting: 0,2 – 0,3 % Debazym Probate, mean processing time 90 - 120 minutes.

For goat skins after delimiting: 0,1-0,3 % Debazym Probate, mean processing time 50 minutes.

For upper leather cow and calf skins after delimiting: 0,1-0,2% Debazym Probate, mean processing time 30 minutes.

Packaging

25 kg in kraft bags.