

Munizyme AN

Beamhouse

Bating Agent

Description

Acidic bating agent with anti-wrinkling effect. **Munizyme AN** is a bacterial protease produced by submerged fermentation of a Bacillus Sp. strain especially suitable for wet blue re-bating. **Munizyme AN** is an enzyme-based bating agent with an optimum efficiency at a pH range of 3-5.5. It can be used up to temperatures of 55°C. Its dosage should be around 0.3-0.5% of hide and skin weight. In all cases, it is suggested that **Munizyme AN** should be evaluated in small scale before going full stream in order to detect its best dosage in the process.

Attention: In order to reach the highest activity of this bating agent, it should be used carefully in the pH range of more than 6.5. If **Munizyme AN** is used in excess amount or time in the mentioned condition, it may cause damage in the hides or skins.

Therefore, it is extremely suitable for the application in the pickle process to remove pickle folds and to achieve a clean grain.

Specification

Appearance	Whitish Powder
Trade form @ 20°C	powder
Solid Content, %	100
Activity	15000 Ivu

pH (1:10 solution)	7 – 7.5
Safety	According to the best of our experience, it does not have any harmful effect on health
Packing	25 KG PE Bags
Shelf life	1 year

Applications & Recommendations

Wet blue can be treated with **Munizyme AN** to level out the differences of the raw material and to improve the evenness and shade intensification of the dyeing. Also when our wet blue needs extra bating by this agent it is get-at-able.

An acidic bate with **Munizyme AN** is particularly recommended for wet blue showing a very compact and irregular fiber structure such as calf or goat skins. It improves the evenness of the leather due to a better opening up of the fibers. Using of **Munizyme AN** often expands the cuttable area (yield area) to the normally loose belly area.

General recommendations for the use of **Munizyme AN**:

Pickled sheepskins:
Percentages are based on pickled weight:

Depickle:

100%	Water	30°C		
5%	Salt	10'	Be=5	
2%	Sodium Formate			
0.2-0.3%	Soda Ash	5'		

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Add pelts 30'
Drain float

Bate:
50-100% Water 30°C
1-2% Sodium Formate
0.4-0.5% **Munizyme AN**
2% Munal DGS (nonionic solvent degreasing agent) or Munal 642 (nonionic degreasing agent)
90-120' pH=3.5-4
Further processing as usual.

Wet blue goat skins:
Percentages are based on shaved weight:

Wash:
200% Water 40°C
0.3% Munal 642
Drain float
20'

Bate:
150% Water 40°C
0.5% **Munizyme AN**
Overnight on automatic
Drain float
Further processing as usual
pH = 3.5-4

Wet blue calf skins or hides:
Percentages are based on shaved weight:
After rechroming as usual
Neutralization:
150% Water 35°C
2% Sodium Formate

1-1.5% Neutralization Syntan 60'
0.5-1% Sodium Bicarbonate
3×15' pH = 5.5
0.5% **Munizyme AN** 90' Drain and washing
Further processing as usual

Advantages

- Anti-wrinkling properties for both pickled hides and skins and wet blues.
- Remove the fold marks in pickled skins and wet blues.
- Noticeably increase the tear strength.
- Improve the smoothness and softness of grain.
- Increase the shade intensification of the dyeing.
- Increase the yield area (between 3-5%).

Storage Conditions

The product should be well sealed and must be stored in covered area between 5-25°C. Freezing and direct sun light must be avoided.