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# PREBATING RS

SUSTAINABLE SOLUTION FOR YOUR DELIMING PROCESSES



# PREBATING RS

**PREBATING RS** is an advanced Nitrogen–Free Deliming based on **Organic Carbonates**. Designed for superior performance without the drawbacks of ammonium–based or CO2 deliming systems, **PREBATING RS** ensures environmental sustainability, improved operational efficiency, and exceptional leather quality.

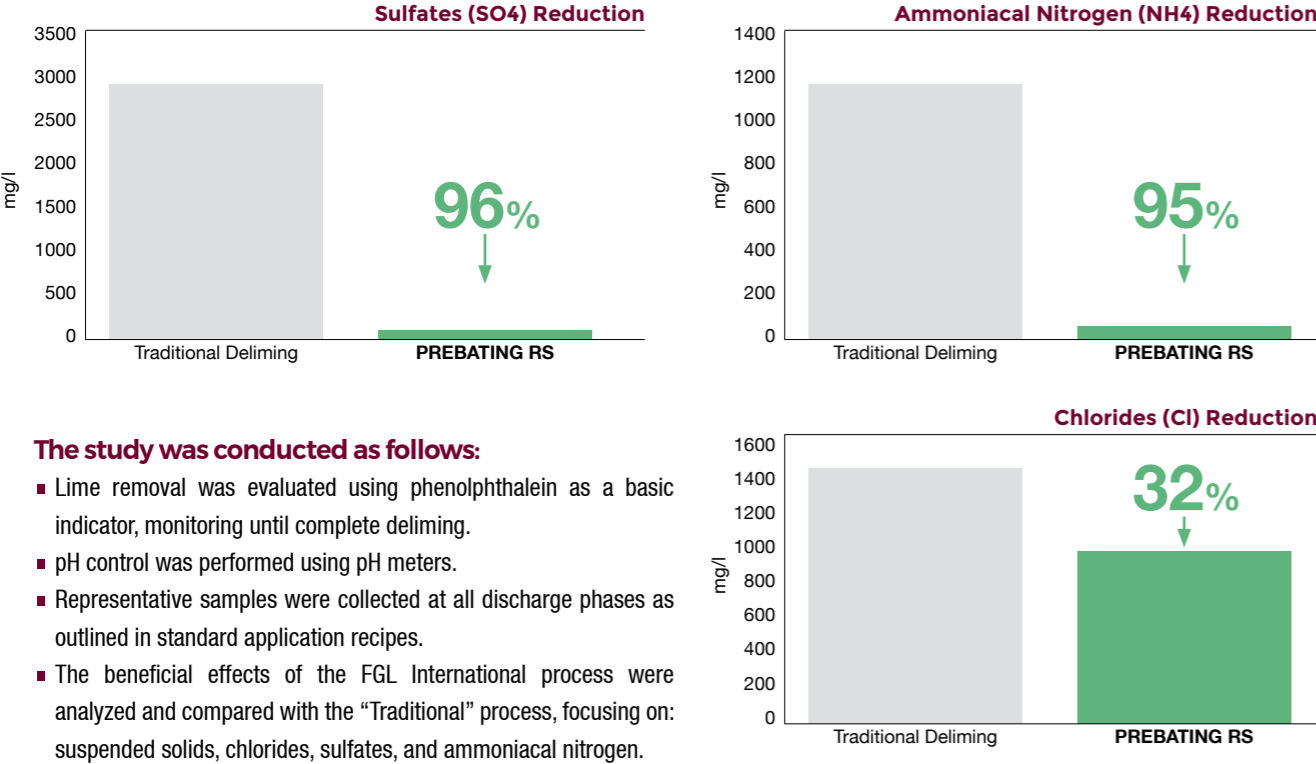
### WHY CHOOSE PREBATING RS?

- 1. 100% Nitrogen–Free:** Significantly reduces nitrogen load in effluents.
- 2. Superior Deliming:** Achieves complete deliming for skins, thin pelts, and thicker pelts.
- 3. Ideal pH Control:** Maintains a pH above 8 throughout the deliming process, perfect for subsequent bating stages.
- 4. Cleaner, Brighter Leather:** Enhances grain fineness and produces a compact, cleaner hide ready for tanning.
- 5. Cost–Efficient:** Reduces effluent treatment costs and avoids capital expenditure needed for CO2 systems..
- 6. Safe for Tanneries:** Mitigate the risk ammonia gas emissions and mitigates the risks of hydrogen sulfide (H2S) formation and resolve issues of yellowing related to glutaraldehyde tanning.

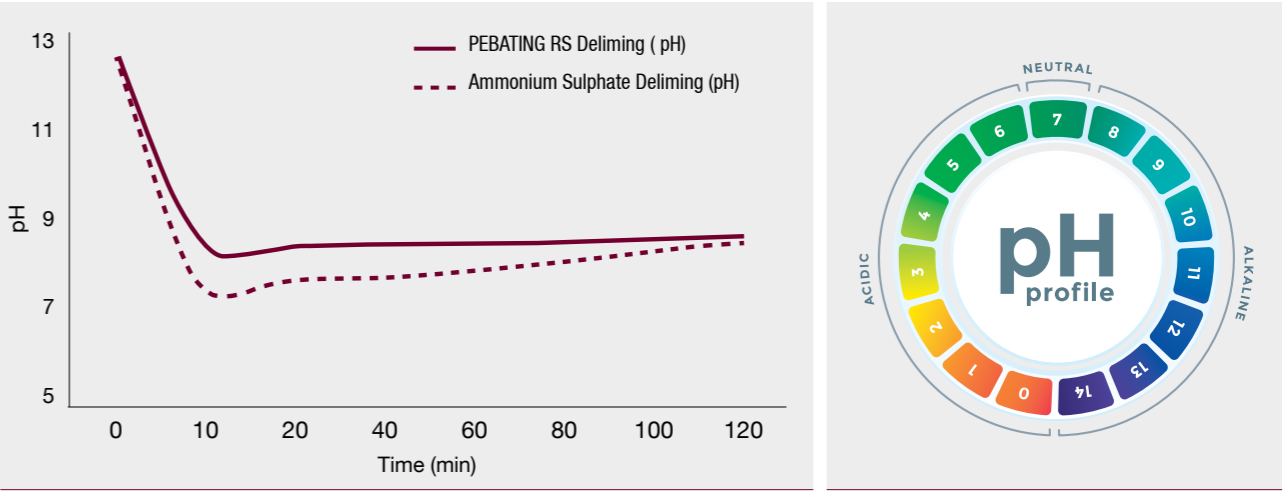
### KEY BENEFITS OF PREBATING RS COMPARED TO TRADITIONAL SYSTEMS WITH AMMONIUM SALT DELIMING

- Nitrogen–free, Sulfate–free system and Chlorides–free reduces deliming contribution of ammoniacal nitrogen and sulfate and chlorides in waste effluent by up to 95%.
- Prevents ammonia gas emissions into the tannery environment.
- Reduce the formation of insoluble calcium salts typical with ammonium sulfate.
- Enhances grain brightness and cleanliness with moderate cleaning action.
- More balanced and buffered deliming effect that allows for extended processing times without damaging the fiber structure or altering the grain layer’s looseness and abrasion.

### CASE HISTORY



### PREBATING RS Deliming pH profile



### APPLICATION GUIDELINES

- **Dosage Recommendations** (based on limed pelt weight):
  - Skins & Baby Calf: **1,5% – 2,0%**
  - Lime Split Hides: **2,0% – 3,0%**
  - Full–Substance Hides: **2,5% – 4,0%**
- Add **PREBATING RS** after pre–wash, in fresh float, and in a single dose.
- Continue processing until full deliming is confirmed by cross–section pH.
- Recipe adjustments, speed and rotation time, may be made for extremely thick hides.

### WHY CHOOSE PREBATING RS?

Why choose compromise when you can have both? Carbon dioxide deliming offers superior performance, and now, it comes with the ease and simplicity of ammonium salt deliming.

### CONTACT US

For more information or technical support, reach out to FGL International and discover how **PREBATING RS** can transform your deliming process! Contact your FGL INTERNATIONAL representative or visit our website at [www.fgliinternational.com](http://www.fgliinternational.com)



Processo convenzionale



Processo **PREBATING RS**