



CATAZYME AI

Enzyme for Area Increase

Chemical composition	Blend of High performance Hyperactive Enzymes
Active pH	Active at pH 5.2 to 5.7
Appearance	Pale Light Tan powder
Active Temperature	Between 25 to 40° C.
Shelf life	Up to 1 year at temperatures if stored in closed containers at ambient temperature
pH 10%	7.0 to 7.5

Character :

TO GET AREA INCREASE FROM 5% TO 18% DEPENDING ON ORIGIN.

Properties

CATAZYME AI is a blend of specially cultured enzyme for hyperactive performance in leather to reduce the wrinkles and growth marks by relaxing the leather.

These enzymes are cultured by submerged fermentation method and are highly attracted towards the elastin present over the grain surface. The elastins are dissolved by the enzymatic action which results in the opening the fibres and grain surface even in the toughest origin. The end result is much softer leather will stretch, smooth grain along with area increase.

Eventhough the enzymes are active between pH 4.0 to 6.0 they are most hyperactive between pH range 5.2 to 5.7 which is to be maintained accurately by using pH indicator solution instead of pH paper.

To get outstanding result it is recommended to use **ZEPROLIN ZXi / TMZ** 2 to 3% which are enzyme accelerators. The leather will maintain its naturality and a profound area increase of about 5 to 18% can be obtained depending on origin, provided the pH is maintained properly in the bath.

Application:

For Normal Leathers : (Increase pH to 4.0)

	% on Depickle	% on wet blue	Run Time
Goat Skins	Upto 0.30%	Upto 0.50%	One Hour
Sheep Skins	Upto 0.25%	Upto 0.40%	One Hour
Calf Skins	Upto 0.30%	Upto 0.50%	One Hour
Cattle Hides	Upto 0.50%	Upto 0.75%	60 to 90 Minutes

Tighter Origin Leathers:

Practical Application for Tighter Origins and more particularly for Garment and soft upholstery articles:

Quantity Based on Wet Blue Shaved Weight : Bath pH 5.2 to 5.7

Sheep / Goat : 3 – 4%
Cow : 2 – 3%
Buff : 4 – 5%

To get the best softness along with area increase it is strongly recommended to use enzyme accelerator ZEPROLIN ZXi / TMZ for about 2 – 3% after finishing CATAZYME AI process and in the same bath, run for 45 minutes.

It is adviced to check the pH with indicator solution rather than pH papers to get more accuracy on pH control which is the main factor in the functioning of the enzymes.

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ZSIVIRA CHEMIE MERK PRIVATE LIMITED

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