



ZSIVIRA

CATAZYME AI

Enzyme for Area Increase

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

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.*

The above information on application on leather is given in accordance to the best of our knowledge and our lab applications. As the usage of the product by the consumer is not under our control, we are not liable for any sort of claims or reimbursements. The product is given without any guarantee/warranty in connection to end use.

ZSIVIRA CHEMIE MERK PRIVATE LIMITED

www.zsiviraindia.com info@zsiviraindia.com



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For Normal Leathers : (Increase pH to 4.0)

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

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 advised 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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