

## CHIMOTAN J/WB

### Chromium-protein based tanning biopolymer

#### CHEMICAL CHARACTERISTICS

<b>Appearance:</b>	Viscous liquid
<b>Colour:</b>	Dark brown
<b>Smell:</b>	Characteristic
<b>pH (sol al 10%):</b>	7,2 +/- 0,5
<b>Active material:</b>	55,0 % +/- 3,0
<b>Dry residue:</b>	50,0 % +/- 2,0
<b>Charge:</b>	Amphoteric
<b>Lightfastness:</b>	Great
<b>Chromium III oxide (Cr<sub>2</sub>O<sub>3</sub>) content:</b>	1,30 % +/- 0,2
<b>Total soluble at 30 °C</b>	85,0 % +/- 5,0

#### PRODUCT CHARACTERISTICS

CHIMOTAN J/WB is a product obtained through the polymerization of animal proteins and complexed chromium salts. The result is a molecule that has a very high tanning power, given by the presence of chromium salts, and a strong filling power obtained from the polymerized proteins.

This molecule has a very high fixation capacity on the skin fibers.

The presence of proteins of animal origin makes it possible to provide further binding bonds for the chemical products used in tanning and retanning formulations, thus allowing a high exhaustion of the baths and the discharge of water with high product exhaustion.

CHIMOTAN J/WB has amphoteric charge and for this reason it can be conveniently used in all phases of the leather tanning and retanning process.

#### APPLICATIONS

Due to its chemical characteristics, CHIMOTAN J/WB can be advantageously used both in the CHROME TANNING phase by inserting it after the Pikel phase in combination with chromium salts, and in the leather RETANNAGE phase.

Used IN THE TANNING PHASE, in addition to giving the leather a great fullness and increase in thickness, it allows the supply of basic chromium sulphate to be reduced and, thanks to the protein contribution, to offer a quantity of new available bonds capable of obtaining a high degree of bath exhaustion.

Used as a RETANNING of WB leathers it allows to eliminate the supply of chromium salts normally used at the beginning of the retanning process, and to still maintain the retanning and filling effect given by the chromium contained in the product itself and by the proteins.

Used in this way, CHIMOTAN J/WB allows you to simplify the entire retanning process and reduce application times.

Given its amphoteric character, it can also be advantageously used in vegetable tanned or anionic tanned leather.

Leathers tanned and retanned with CHIMOTAN J/WB are full, round and with a fine and compact grain.

Its low astringency allows it to eliminate any contraction of the skin surface caused by the use of very reactive products.

The dyes are very intense and brilliant.

CHIMOTAN J/WB can also be used on crust leathers in order to recover those that are rejected due to low thickness, peeling or too empty.

The use of CHIMOTAN J/WB allows the thickness of the crust leather to be significantly increased.

The quantities to be used vary depending on the effect you want to give to the leather.

During the chrome tanning phase, we suggest using from 2,0 % to 4,0 % of the product by inserting it into the Pikel bath before adding the chromium salts.

When you are retanning Wet Blue leather we suggest inserting the product after the neutralization phase.

The quantity to be applied can vary from 5,0 % to 20,0 % depending on the degree of filling you want to impart to the skin.

On Crust leathers the quantity to be used can vary from 30,0 % to 50,0 % of the weight of the dry leathers.

We suggest to always work with very short baths, approximately 30,0 % - 50,0 % water.

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Chemical-physical properties of the product have been determined in accordance with internal procedures by methods of analysis due to national and / or internationally recognised standards. The information contained in this data sheet are based on our current knowledge. Given the multiplicity of Factors that can influence the processing and use of our products, the customer is obliged to carry out its part tests and controls. No responsibility can Be taken by us for an incorrect use of the product

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