

Meta 40 plus

General Features

Meta40 + is a lactide of tartaric acid , so it is a polymer which , like all colloids , takes on an electrical charge , which in this case is negative. This electronegative charge increases with the increase of the index of esterification .

The behavior of Meta 40 + is therefore comparable to that of the tannins . For this reason , in the case of white or rose wines , rich in protein substances , l ' addition of Meta40 + may give rise to cloud or opalescence (Tyndall effect) , which disappear in time , hand to hand , to effect hydrolysis decreases the electronegative charge of the colloid .

For example , treatment of Champagne , poor in tannins and rich in protein colloids , is mainly performed with acid Metatartaric low esterification index (33-34 %) , precisely to obviate these drawbacks .

Since the possible opalescence is accentuated at low temperatures , it may be useful to quote the following test , a sample of the wine which was aggiuntoMeta40 + ; make an filtration in the laboratory with the same permeability which will be used in the filtration of wine . Bring the sample to 0 ° C and observe if , after 24 hours , manifested a canopy , if yes , perform a clarification with a small dose of bentonite .

Furthermore , Meta40 + reacts vigorously in the presence of lysozyme , an enzyme extracted from the egg white and used in the enological field mainly to counteract the effects of malolactic fermentation . For this reason , it is absolutely essential to remove all traces of lysozyme , before treatment with Meta40 +

Meta40 + is obtained under high vacuum , with the most modern manufacturing techniques .
Is pure , creamy white in color and odor neutral , with sour taste , easily soluble .

Application and Instructions for use

Dissolve the doseMeta40 + in 4-5 parts of cold water or wine before adding it to the mass to be treated during reassembly . This can be useful to prevent turbidity of the wine is to carry out the addition of Meta40 + before the final clarification and / or filtration . This involves a small percentage loss diMeta40 + that was employed .

Composition

Metatartaric acid ester index to 38-40 %

Doses of Use

10 g / hl as the maximum limit allowed. Preliminary laboratory tests are recommended .