

CRISTAB GC

Tartaric stabilization of wines with regards to potassium bitartrate

CARACTERISTIQUES

CRISTAB GC is a natural cellulose gum (E466) obtained exclusively from sustainably managed forests.

Thanks to its very specific characteristics concerning the degrees of polymerization and substitution, and thus its viscosity, **CRISTAB GC** is particularly suited and efficient to stabilize wines **with regards to potassium bitartrate**.

CRISTAB GC is offered as granules or as a clear and viscous liquid at a concentration of 50 g/L (5%).

PROPRIETES ŒNOLOGIQUES

- **CRISTAB GC** acts as a protective colloid regarding both the formation of crystals (nucleation) and the possible growth of potassium bitartrate micro crystals present in wine.
- **CRISTAB GC** does not affect the organoleptic profile of wines.
- **CRISTAB GC does not stabilize calcium tartrate.**

APPLICATIONS FIELD

- **CRISTAB GC** is suitable for white wines as well as base wines used for the production of sparkling wines.
- To our current knowledge, this treatment is not recommended for red wines as it can lead to the formation of deposit.

APPLICATIONS RATE

Maximum application rate according to current European regulation:

Granules: 10 g/hL

5% solution: 20 cL/hL

INSTRUCTIONS FOR USE

Solubilization: Cristab GC Granules

Dissolve **CRISTAB GC** in some of the wine to be treated (1 kg for 60 l)

Sprinkle **CRISTAB GC** on the wine while stirring with a stirrer or a propeller type stirrer. It is recommended to prepare the solution one day before treatment.

Utilization: Cristab GC Liquid

Before utilization, prepare a 1: 3 or 1: 4 dilution of **Cristab GC** with wine or use the prepared solution.

Note: low temperatures (<12°C) increase the viscosity of **Cristab GC**. In this case, choose the 1: 4 pre-dilution.

With white still wines:

Add **Cristab GC** using a metering pump or a Dosacol at least 48h before the last filtration to prevent clogging.

Homogenization occurs **exclusively** by transferring the wine from one tank to another tank, or by reversed pumping over (from the top to the bottom of the tank) of a volume at least equal to the one of the tank (note: use the fining connection or Dosacol at the lowest part of the tank). Homogenization is crucial to prevent filter clogging.

Unstable proteins have to be removed from the wines by using bentonite in order to prevent any risk of haziness.

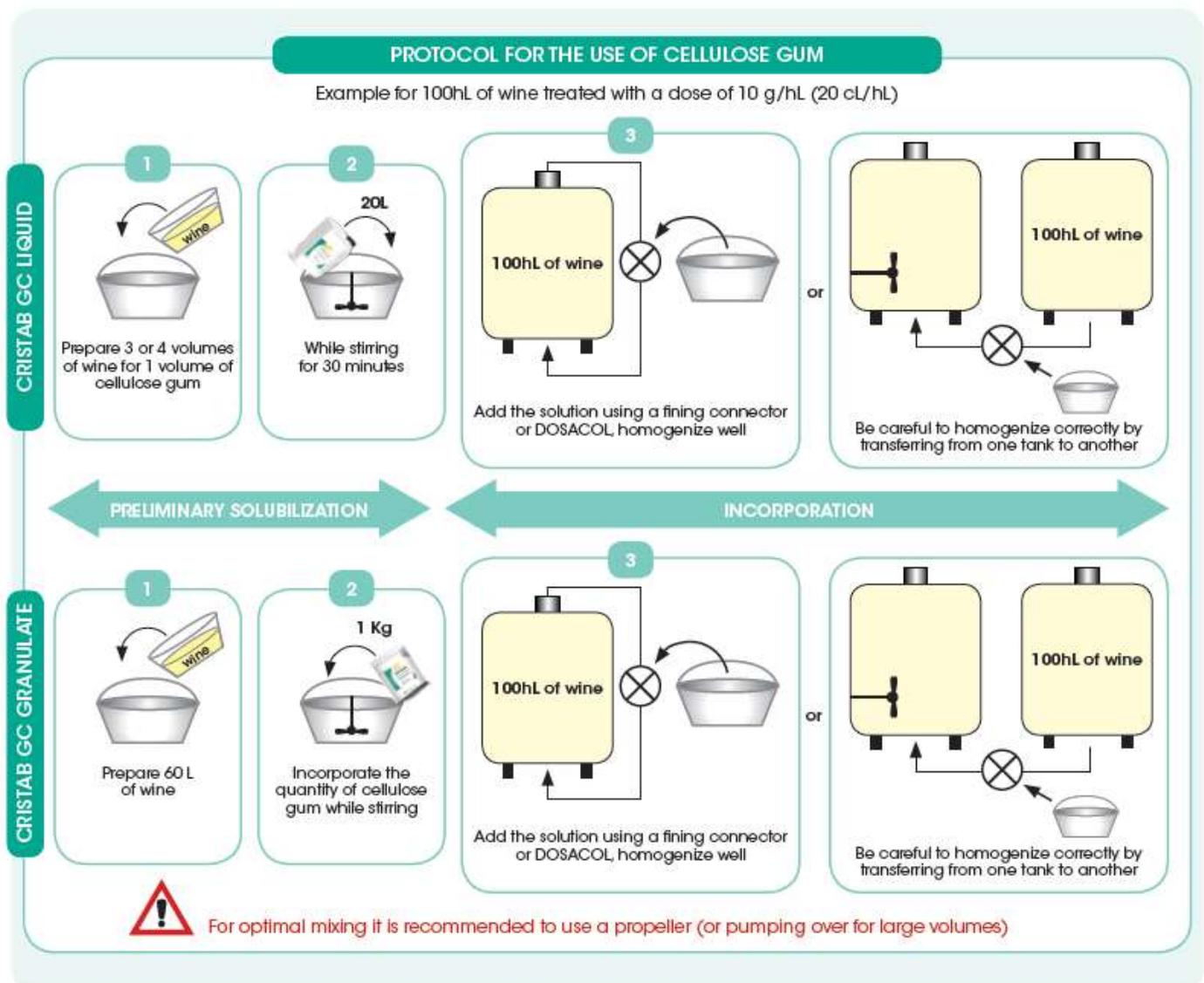
Such as with metatartaric acid, **CRISTAB GC** reacts with lysozyme.

With base wines used for sparkling:

It is recommended to treat the base wines during tirage before bottle fermentation. Add **CRISTAB GC** to the mixture.

Pre-trials must be carried out taking into account the loss of **CRISTAB GC** due to riddling agents and the increase of wine alcohol content from bottle fermentation. Consult with your oenologist for advice.

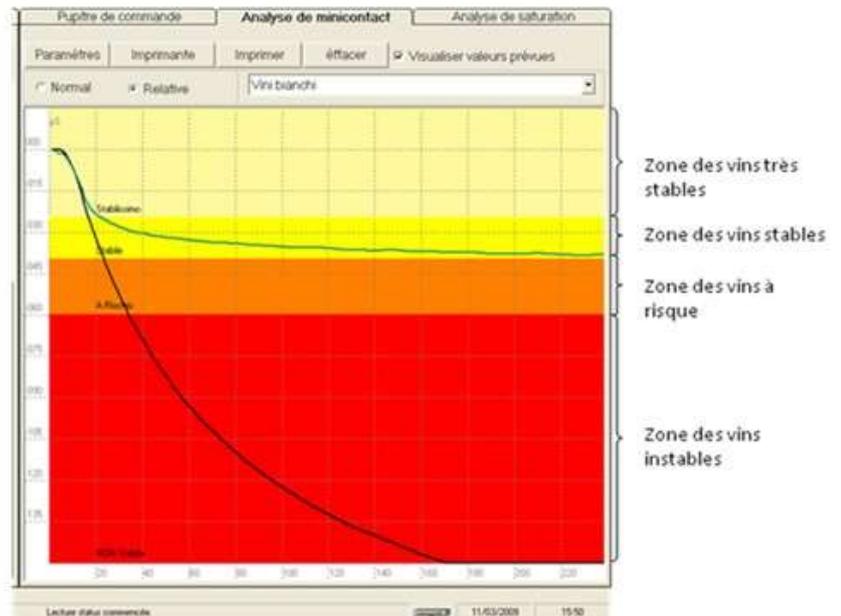
Schema illustrating the utilization and addition of **CRISTAB GC**:



R&D assessed the tartaric stability of different wines by carrying out a minicontact test with **CHECKSTAB®**. In the following example, a treatment using 10 g/HL of **Cristab GC** allowed to stabilize a wine that was unstable (black curve) with regards to potassium bitartrate (green curve).

Thanks to **CHECKSTAB®**, the prior trials allowed to:

- determine the adequate application rate
- assess the impact of cellulose gum addition on the colour of rosé wines
- ensure that the treatment of highly unstable wines is efficient. Note that with particularly unstable wines, partial cold stabilization might be required.



Precautions for use:

Do not use before cross filtration.

For oenological and specifically professional use
Use according to current regulations.

PACKAGING

CRISTAB GC Granules:

1 kg bag (quantity required to treat 100 HL minimum).

CRISTAB GC Liquid:

5 l jar (quantity required to treat 25 HL minimum).

20 l jar (quantity required to treat 100 HL minimum).

1000 l container (quantity required to treat 5000 HL minimum).

STORAGE

Store unopened package away from light in a dry and odorless area.

Store away from frost for product in solution.

Opened package: use rapidly.

As we can not manage the conditions of use and the implementation of products, SOFRALAB can not be held responsible should treatment failure occur and the presence of crystals in the bottles.

Information given in this document represents our current knowledge. It is not binding and offered without guarantees since the application conditions are out of our control. It does not release the user from abiding by the legislation and applicable health and safety standards. This document is the property of SOFRALAB and may not be modified without its agreement.