

ARABAN® SPRAY DRY

GUM ARABIC FOR WINE COLLOIDAL STABILIZATION

PRODUCT

ARABAN SPRAY DRY is a purified and agglomerated arabic gum (E414).

CHARACTERISTICS

Arabic gum is a complex high molecular weight polysaccharide acting as a strong stabilizer for colloidal precipitations.

ARABAN SPRAY DRY is obtained from selected raw materials (*Acacia verec*). It is *levo* form and has neither impurities nor pesticide residues. No chemical or enzyme treatment is needed during purification. Drying is obtained through the so-called "spray dry" technique, which keeps the molecule structure unaltered and allows quick molecular re-hydration.

ARABAN SPRAY DRY acts as a stable hydrophilic colloid by creating a sort of protective layer around the dispersion colloids, preventing them from aggregating and causing wine turbidity.

APPLICATIONS

ARABAN SPRAY DRY is used in wine industry as protective colloid to prevent colloidal precipitations, e.g. alterations caused by ferric, cuprous, protein and phosphate-ferric casses. ARABAN SPRAY DRY also protects wine from dye precipitations.

By stabilizing colloids effectively, it enhances the mouth feel of roundness and softness.

High proportions of ingredients are possible with little changes in wine filterability indexes thanks to the specific product purity.

Gum arabic also improves and prolongs the effect of the meta-tartaric acid *META V*.

ARABAN SPRAY DRY should preferably be added to clear wines shortly before bottling. Otherwise it might be difficult to carry out further treatments, which in turn might reduce the stabilizing effect of Arabic gum.

As a protective colloid, ARABAN SPRAY DRY interacts with proteins. Dosing is therefore recommended in case of wines with stable proteins.

The use of ARABAN SPRAY DRY in the EU is not subject to limitations according to the legislation in force. Its use is forbidden in some countries (Japan) and restricted in some others (USA). Comply with regulations.

USES

Dissolve ARABAN SPRAY DRY into water according to the following ratio: 1:5. The solution is ready for use and should be used within a few days. Add the solution to the wine, making sure that mixing is adequate.

Direct addition in the wine is not recommended.

DOSAGE

From 5 to 40 g/hL in white and red wine.

Use 1/5 of arabic gum solution dosage.

NOTE: 20 g/hL of ARABAN SPRAY DRY correspond to about 100 g/hL of ARABAN.

PACKAGING

0.5 kg and 25 kg. coupled bags

STORAGE

The product is hygroscopic; keep in a cool, dry place away from the light.

Reseal open packs securely.

HAZARDOUS

Based on the current legislation the products is classified: not dangerous.

TECHNICAL DATA SHEET 27/2/2012

