VIVA NEO PLUS ® Cork Stoppers



VIVA[®] stoppers are responsible for sealing some of the best sparkling wines in the world.

Resistant to the highest pressures, they naturally maintain the best M.A.SILVA consistency and quality. M.A.SILVA's portfolio has different VIVA® cork stoppers with different technical specifications.

TECHNOLOGIES



DYNAVOX® Raw material sterilization and vaporization



NEOTECH® Sterilisation and vaporisation of granules



SUSTAINABILITY

ALL FOR THE ENVIRONMENT

Our actions are proven through the quality of our cork stoppers, the partnerships we build, the figures we present and our contribution to an increasingly greener world.

NEGATIVE CARBON FOOTPRINT

Study carried out by KPMG according to the Group's strategic sustainability axis.



VIVA NEO PLUS ® Cork Stoppers



<1 mg/stopper

Moulding

6 months

Fire

< 1 ng/L [®] Quantification limit of 0,5 ng/L Analysis performed in accordance to ISO 20752.

 $\begin{array}{l} 40\%-70\% \mbox{ RH} \\ 15^{\circ}\mbox{C}-20^{\circ}\mbox{C} \ | \mbox{59}^{\circ}\mbox{F}-68^{\circ}\mbox{F} \\ \mbox{Store the stoppers in a clean,} \\ \mbox{well-ventilated and odor-free place, away} \\ \mbox{from products containing chlorine.} \end{array}$

TECHNICAL SPECIFICATIONS

PHYSICAL-MECHANICAL

Lenght Diameter Dimensional Recovery Moisture Specific weight Boiling water resistance Torsion moment: Shear Strength Torsion angle: Sealing capacity: Chamfer: Granules size: X \pm 0,5 mm X \pm 0,3 mm > 96% 4% - 8% 240 - 320 kg/m3 No disintegration \ge 35 daN.cm \ge 6 daN/cm2 \ge 35° No leaks at 6 bar (at 20°C) 3,5 - 4,5 mm 0,5 mm - 2 mm

STANDARD DIMENSIONS

48x29,5 mm | 48x30,5 mm | 48x31 mm

PRODUCTION FLOW

Raw Material

and disinfected

through a vaporized

pressure system.

CORK OAK STRIPPING [Cork planks are stripped from cork oak trees]

GC/MS TCA CONTROL S

STABILIZATION [Planks are stored from 6 to 9 months on a concrete floor]

YARD

BOILING DYNAVOX® SYSTEM [Planks are sterilized

GC/MS TCA CONTROL

PHYSICAL-CHEMICAL

Dust content TCA (1)

PRODUCTION

Process

Branding

STORAGE

Use no later than

Moisture in storage Storage temperature Storage place

> STABILIZATION AFTER BOILING

[Stabilization period after vaporization]

CORK PLANKS SORTING FOR PRODUCTION

[First sorting of planks for production]

Production

| GRINDING Cork granule production process | | - STERILIZATION NEOTECH® SYSTEM Cork granules | | | GC/MS TCA CONTROL | | AGLOMERATION Production of micro agglomerated bodies | | | GC/MS TCA CONTROL |
|---|----|---|--|----------------------|----------------------|---|--|-----------------|--|--|
| | | are vaporize and sterilize | | | | | | | | |
| ELECTRONIC GRADII 2D AND 3D Electronic sorting | NG | - DRYING Final moisture definition | | GC/MS TCA CONTROL | | WASHING MASZONE® SYSTEN Washing and sterilizati | | DUSTING DOWN | | CORRECTION OF SIZES Precise correction of corks sizes |

Customization and Packaging

PRINTING Customized printing on stoppers

FINAL TREATMENT To facilitate the bottling process GC/MS TCA CONTROL

PACKAGING According to specifications

Naturally **Better**