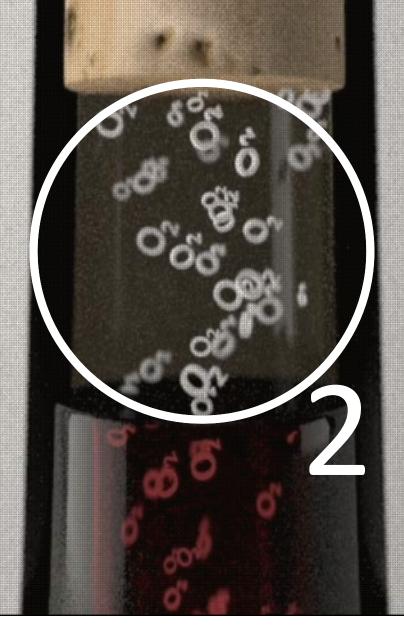
# CLOSURES PROPERTIES THAT IMPACT THE SENSORY QUALITY OF BOTTLED WINE



# Oxygen that impact wine quality after bottling

#### **TOTAL OXYGEN INTAKE**



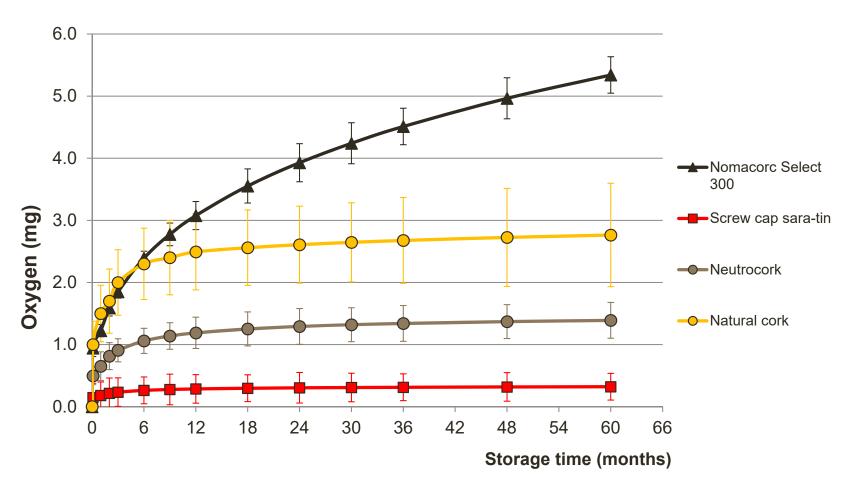


Wine exposition to oxygen before and during bottling are very important, their effect (cumulative) can be only observed during post-bottling



## Bottled wine oxygenation related with closures

#### **OXYGEN TRANSMISSION KINETICS**

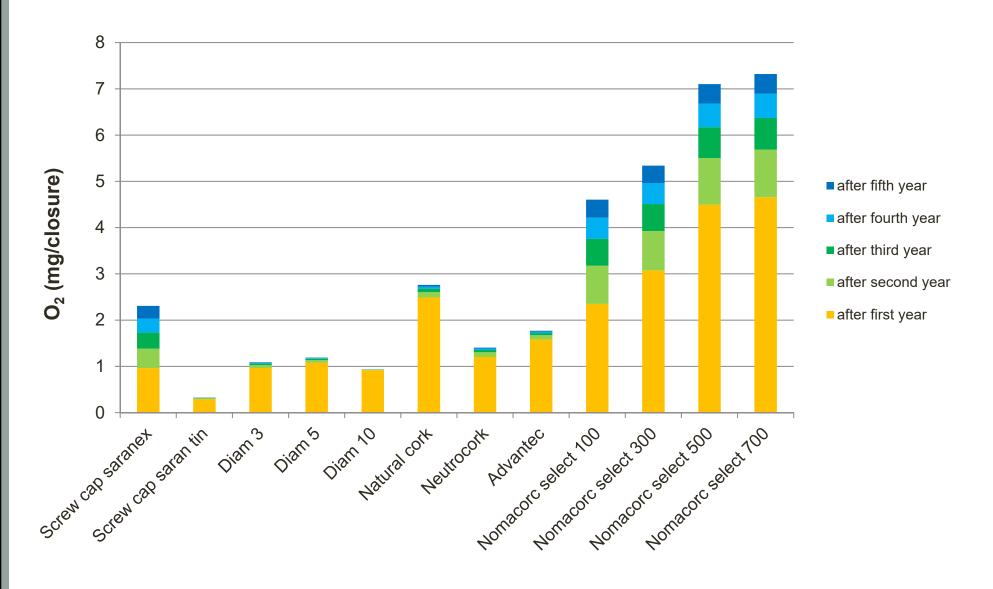


### Oxygen ingresses through closures regardless the storage position



## Bottled wine oxygenation related with closures

#### **OXYGEN TRANSMISSION PER YEAR**





## Bottled wine oxygenation related with closures

## MAIN ROUTES BY WHICH O<sub>2</sub> ENTERS INTO BOTTLES

**PERMEABILITY** 



Cork **DIFFUSION** 

Oxygen transfer occurs through the gas phase in the lenticels plasmodesmatas or inside cells by Fick or Knudsen mechanisms



**Synthetic** 



Screw caps\*

Saranex – slightly permeable

