

DIAM 3

DIAM 3, respects the personality of wine aromas.

DIMENSIONS AVAILABLE: **38 / 44** mm
Diameters: **23,5** mm / **24,2** mm

DIAM 3, a technological closure with a patented composition, manufactured from cork and treated by the exclusive DIAMANT process (eradication of 2,4,6-TCA by supercritical CO2 treatment) validate by independent laboratories.

A consistent closure that offers:

- Unequalled organoleptic performances
- A systematically controlled (3) production batch for a releasable TCA(1) rate per closure < QL (2)
- A consistent closure that reduces taste variation from one bottle to another
- Maximum on-line performance (4)
- Perfect insertion at bottling (4)
- Dimensional recovery (96% in 30 seconds)
- No leakage(4)
- No dust risk (4)
- Easy opening

A closure that offers the positive aspects of cork:

- An elastic, natural and ecological raw material.
- A material that compliments wine.
- A favourite with consumers.

A unique guarantee to assure your consumer of a positive wine experience whilst respecting tradition: **Cork tradition without the risk of cork taint**

(1)- Guarantee per cork

(2)- QL : the Quantification Limit of the analytical method by gase chromatography is 0.5ng/L

(3)- Indicative value according to internal testing, available upon request

(4)- In compliance with our bottling and storage conditions

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Technical specifications (a)

ORGANOLEPTIC CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
Soak test in 12% hydro-alcoholic solution acidified to pH 3.5 / 25 corks. SPME/GC/MS	releasable 2,4,6-TCA (ng/L) releasable 2,3,4,6-TeCA(ng/L) releasable PCA (ng/L) releasable 2,4,6-TBA(ng/L)	< QL (b) < QL (b) < QL (b) < QL (b)	
DIMENSIONAL CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
Calliper gauge / 32 corks	Length (mm)	L ± 0.4	AQL 1.5 (A1/R2)
	Diameter (mm)	D ± 0.3	AQL 1.5 (A1/R2)
	Chamfer (mm)	2.0 ± 0.5	AQL 2.5 (A1/R3)(c)
PHYSICAL CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
4 jaw corker / 5 corks	dimensional recovery / 30sec. (%) (e)	≥ 96%	AQL 2.5 (A0/R1)
Traction compression machine / 5 corks	elastic recovery (N/cm2) (e)	> 2.2	AQL 2.5 (A0/R1)
Calibrated tubes / 6 corks	liquid tightness (%) (e)	100% > 1.5 bars	
On CETIE bottle neck / 5 corks	extraction force (daN)	18 < 100% < 35 (f)	
By stirring and filtering / 10 corks	dust content (mg/cork)	≤ 0.3	

The above technical specifications are valid for up to 36 months. They comply with FDA standards (CFR21 code) and 2002/72/CE and 94/62/CE European regulations.

(a) The above specifications assume compliance with manufacturer's bottling and storage guidelines.

(b) QUANTIFICATION LIMIT (QL): the quantification limit by SPME/GC/MS is 0.5ng/L for TCA, it is 1ng/L for TeCA and PCA and it is 2ng/L for TBA. This is an indicative value based on internal methodology, available upon request.

(c) ACCEPTABLE QUALITY LEVEL (AQL): A2/R3 implies that for 32 corks tested: the batch is accepted if a maximum of 2 corksonly, show results outside our specifications and the batch is refused if 3 or more corks show results outside our specifications.

(e) The follow up frequency of this parameter is established in order to regularly evaluate our production batches.

(f) Values are established for corks with a diameter between 24 and 24.5mm (length = 44mm) with a silicone-based surface treatment.

* DIAMANT, an OENEO BOUCHAGE / CEA technology (PATENT EP 1 216 123 B1).

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