

 DIAM Quality department BOUCHAGE	Technical specifications ALTOP	DQ-FT-AltopGB-V3 Last update : 11.03.13
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Technical specifications (a)

ORGANOLEPTIC CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
Soak test in 40% hydro-alcoholic solution acidified to pH 3.5 / 25 corks - SPME/GC/MS(soak test in	Releasable 2,4,6-TCA relargable (ng/l) (for individual stopper)	≤ 40 (b)	
Soak test in 15% hydro-alcoholic solution acidified to pH 3.5 / 25 corks - SPME/GC/MS	Releasable 2,4,6-TCA relargable (ng/l) (for individual stopper)	≤ 1,5 (b)	
DIMENSIONAL CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
Calliper gauge / 32 corks	Lenght (mm)	H ± 1.0	AQL 1.5 (A1/R2) (c)
Calliper gauge / 32 corks	Lenght below top (mm)	L ± 0,5	AQL 1.5 (A1/R2)
Calliper gauge / 32 corks	Diameter (mm)	D ± 0.3	AQL 1.5 (A1/R2)
Calliper gauge (autocontrol)	Chamfer (mm)	C ± 0.5	AQL 2.5 (A2/R3)
PHYSICAL CHARACTERISTICS			
Method	Parameters	Specifications	Tolerances
Torquemeter / 13 corks	Head/cork separation	0	AQL 1 (A0/R1)
	Rupture angle (°)	≥ 30	AQL 1 (A0/R1)
	Rupture point (Nm)	≥ 1.5	AQL 1 (A0/R1)
Stirring and filtering / 4 corks	Dust content (mg/cork)	≤ 0.5	
Titration / 4 corks	Residual peroxide (mg/cork)	≤ 0.1	

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

(b) Perception level of 2,4,6 TCA in cognac > 100 ng/l "Research into compounds for cork taint in Cognac" – R Cantagrel; JP Vidal, OIV Newsletter (1990) 709 – 710; 253 - 277.

(c) ACCEPTABLE QUALITY LEVEL (AQL): A1/R2 implies that for 32 corks tested: the batch is accepted if a maximum of 1 cork only, show results outside our specifications and the batch is refused if 2 or more corks show results outside our specifications.

Compliant with regulations governing food contact packaging (EC Framework Regulation 1935/2004 and texts specific to materials Regulation n° 10/2011) based on FDA standards (Code CFR21), global migration (according to Regulation 10/2011), specific migration (according to Regulation 10/2011) and different European Resolutions relating to cork and coating products. Compliant with regulations governing packaging and packaging waste. Certificate of compliance available upon request when placing the order.

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