



Definition

Our products are made from new oak wood from cooperage. The species used are sessile oak (*Quercus sessiliflora*) or pedunculated oak (*Quercus robur*) for French oak, and white oak (*Quercus alba*) for the American species. The woods are of stave wood quality without sapwood or bark. Before processing, the wood is dried and matured in the open air for a minimum of 18 months.

Physical and chemical characteristics

Degree of heating

Our products are either left in their natural state or heated according to different heating levels; light, medium and strong.

They do not undergo any chemical, enzymatic or physical treatment other than heating.

Indicative particle size of chips and aggregates (in mm)

	P*	XS	S	M	TV
> 7.10 mm	/	< 1	< 10	> 50	
3.15 to 7.10 mm	< 5	> 60	> 75	< 50	>95
2.00 to 3.15 mm	>95	< 30	< 15	< 3	
< 2.00mm		< 5	< 5	< 2	< 5
> 2.00mm	>40	> 95	> 95	> 95	> 95

* The granulometry of our products complies with European Regulation (EC) 1507/2006 and the recommendations of the OIV according to OENO Resolution 3/2005, except for aggregates.

Brouwland

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Indicative size of cubes and blocks (in mm)

	Length	Width	Thickness
C** (cube)	10	10	10
B** (bloc)	47	47	7

** only available in French oak

Indicative humidity and density

- Product humidity depending on heating: between 2 and 17%.
- Chip bulk density: between 270 and 330 kg/m³

Chemical analyses

The supplier's control plan guarantees maximum concentrations of certain molecules, these standards are based on those of the Fédération Française de la Tonnellerie (FFT).

Risk of mouldy / corky taste

The contents of the molecules responsible for the "musty stopper", haloanisoles (TCA, TeCA, PCA, PCA, TBA) and halophenols (TCP, TeCP, PCP, TBP), found in trace amounts in wood do not constitute a risk of sensory deviation of the "musty" type (see table below).

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	Molecule	Maximum Concentration (ng/g)
haloanisoles	2,4,6,TCA	0.6
	2,3,4,6 TeCa	2.3
	PCA	18.9
	2,4,6 TBA	0.6
halophenols	2,4,6 TCP	6
	2,3,4,6 TeCP	23
	PCP	18.9
	2,4,6 TBP	6
Lindane		18.9
Pyrenes	benzo(a)pyrenes	< detection limit

Risk of benzo(a)pyrene:

Wood chips have not been burned, including on the surface, are neither carbonaceous nor brittle to the touch. The benzo(a)pyrene content is below the detection limits of the analysis (see table above).

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Regulation

Use of chips in wine

In Europe, it is subject to regulation (Regulation (EC) No 1507/2006 and No 606/2009). In France, European regulations apply for VDP, VDT and AOC. For any further information, please contact your trade association.

Allergens subject to labelling: absence (Directive 2007/68/C)

GMOs subject to labelling: absence (Regulation 1829/2003 EC and 1830/2003/EC)

Precautions for use

Storage conditions

- We remind you that our product pallets are not stackable.
- The products must be stored in clean, sheltered premises, away from:
 - of the light,
 - moisture,
 - very strong odours (fuel oil, varnish, solvents, washing powder, garlic...),
 - any chemical product (e. g. plant protection products, etc.)
 - and away from any source of heat

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