



Vine & Wine
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TITRIVIN BTB

REFERENCE MATERIAL FOR OENOLOGY LABORATORY

CERTIFICATE OF ANALYSIS

<p>Material Blend of wines and musts from different sources.</p> <p>Preparation Prepared by the Vine and Wine Department of the Gironde Chamber of Agriculture, in accordance with the techniques and processes used in oenology.</p> <p>Packaging Bottled and vacuum-sealed by Pharmaceutical Products Factory, GMP certified. Bottles made of class II white glass -nominal capacity 250 ml. Stoppers made of butyl elastomer. Seamed metal caps ensure tamper-proofing.</p> <p>Uniformity Control test performed on 4 ‰ of bottles sampled at regular intervals during packaging.</p> <p>Stability Product stabilised with SO₂ and physical treatment processes used in oenology. Stability is controlled every month.</p>	<p>Reference values Values were determined from the results of a series of tests involving 41 oenology laboratories, accredited by COFRAC (French Accreditation Committee). Average values were calculated in accordance with the provisions of NF ISO 5725 standard.</p> <p>Confidence interval Each value is expressed with a confidence interval of the mean above or equal to 95%.</p> <p>Storage Store away from light between 5°C and 25°C.</p> <p>Use Material for control testing of methods and equipment used to analyse wines. Re-seal the bottle after taking each sample. All opened bottles should be kept at a temperature below 15°C and used within 12 hours after opening.</p>
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Batch T 04061211 B

PARAMETER	VALUE	CONFIDENCE INTERVAL
Density (g/L)	990,96	+/- 0,08
Alcoholic strength by vol. (%)	12,44	+/- 0,04
Reducing sugars (g/L)	3,59	+/- 0,26
Glucose + fructose (g/L)	2,30	+/- 0,07
PH	3,47	+/- 0,02
Total acidity :		
⇒ g H ₂ SO ₄ /l	3,25	+/- 0,05
⇒ meq/L	66,3	+/- 1,0
Volatile acidity :		
⇒ g H ₂ SO ₄ /l	0,34	+/- 0,02
⇒ meq/L	6,9	+/- 0,4
Acetic acid	0,37	+/- 0,02
L-malic acid (g/L)	0,94	+/- 0,05
Sorbate (mg/L)	96,9	+/- 3,4
Tartaric acid (g/L)	0,89	+/- 0,07
Iron (mg/L)	3,68	+/- 0,20
Copper (mg/L)	0,12	+/- 0,02
<i>Indicative data</i>		
Potassium (mg/L)	811	+/- 20
L-lactic acid (g/L)	1,27	+/- 0,09
Calcium (mg/L)	79,7	+/- 6,7

Validity :

- DEC 2011

Person in charge