

Vin and Wine
department

TITRIVIN AA5

REFERENCE MATERIAL FOR OENOLOGY LABORATORY

CERTIFICATE OF ANALYSIS

Material

Blend of wines and musts from different sources.

Preparation

In accordance with the techniques and processes used in oenology.

Packaging

By Pharmaceutical Products Factory.
Glass ampoules - nominal capacity 10 ml.

Uniformity

Control test performed on 1°/00 of ampoules sampled during packaging.

Stability

Product stabilised with SO₂ and physical treatment processes used in oenolog.

Storage

Away from light between 5°C and 25°C.

Reference values

Values were determined from the results of a series of tests involving about 40 oenology laboratories, accredited by COFRAC (French Accreditation Committee). Values were calculated in accordance with the provisions of NF ISO 5725 standard.

Confidence interval

This corresponds to the uncertainty of the reference value with $k = 2$ for a confidence level above or equal to 95%.

Acceptance interval

For one analysis, this corresponds to the maximale value that a laboratory can accept for the reference value.

Use

- ✓ To calibrate equipment
- ✓ To carry out quality control
- ✓ To assess uncertainties

*Expendable ampoules to be used
immediately after opening*

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Parameters	REFERENCE VALUE	CONFIDENCE INTERVAL (K=2)		ACCEPTANCE INTERVAL (K=2)	
		Inferior limit	Superior limit	Inferior limit	Superior limit
Alcoholic strength by vol.(%)	14,91	14,86	14,96	14,71	15,11
Volatile acidity: ⇒ g H ₂ SO ₄ /L ⇒ meq/L	0,89 18,2	0,87 17,8	0,91 18,6	0,81 16,6	0,97 19,8
Acetic acid (g/L)	1,04	0,98	1,10	0,84	1,24

These reference values were confirmed by the TITRIVIN 2011 inter-laboratory tests
validity prolonged **up to**

- DEC 2012



GIRAUDON Delphine
Oenologist
TITRIVIN Manager

