

# COMPENDIUM OF INTERNATIONAL METHODS OF ANALYSIS FOR SPIRITUOUS BEVERAGES AND ALCOHOLS

## OIV-MA-BS-21 UV absorption of rectified alcohols of vitivinicultural origin

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Method OIV-MA-BS-21 : R2009

Type IV method

### **UV absorption of rectified alcohols of vitiviniculture origin**

(OENO 6/94;  
OIV/OENO 382A/2009)

#### **1. Purpose and scope**

This method can be used to determine the optical permeability of neutral alcohol liable to enter into the composition of certain alcoholic beverages.

#### **2. Principle**

The optical permeability of the sample in the wavelength range from 220 to 270 nm is measured against a defined reference substance with high optical permeability.

#### **3. Apparatus**

##### **3.1. UV-visible spectrophotometer.**

##### **3.2. Quartz cells 10 mm thick, with identical spectral transmission.**

#### **4. Reagents**

Hexane for spectroscopy.

#### **5. Procedure**

- Rinse the tanks clean beforehand with a sample solution and then fill with the

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sample, dry the tanks outside,

- treat the reference cell (n) with hexane in the same way and fill it,
- determine the absorbance value and build the graph.

## **6. Expression of results**

The absorbance values recorded at 270, 240, 230 and 220 nm should not exceed the following values: 0.02, 0.08, 0.18 and 0.3. The absorbance curve must be smooth and regular.

## **7. Bibliography**

1. Methods of analysis of neutral alcohol applicable in the wine sector. EEC Regulation No. 1238/92 (May 8, 1992), EEC Regulation No. 2009/92 (July 20, 1992).