

COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS

Iron (AAS) (Type-IV)

water. Aspirate the diluted sample directly into the spectrophotometer, followed in succession by the five standards (2.3.2). Record the absorbance. Repeat each measurement.

2.4. Expression of results

2.4.1. Method of calculation

Plot a graph giving the variation in absorbance as a function of the iron concentration in the standard solutions. Record the mean value of the absorbance obtained with the diluted wine sample on this graph and read its iron concentration C .

The iron concentration in milligrams per liter of the wine to one decimal place is given by:

$$F \times C$$

where F is the dilution factor.