



## **COMBINED CALIBRATION STANDARDS**

### **FOR THE DETERMINATION OF ACETIC ACID, L-MALIC ACID, D-GLUCOSE & D-FRUCTOSE IN GRAPE JUICE AND WINE**

#### **PRODUCT**

Product no. 4C100

#### **PRINCIPLE OF MEASUREMENT**

This kit contains 6 standards for the calibration of automated discrete analysers. Each bottle of standard contains a combination of acetic acid, D-glucose, D-fructose and L-malic acid. Used together these standards are suitable for the calibration of Vintessential test kits 4B100, 4B140 and 4B160 on automated discrete analysers. The standards are prepared in a 10% ethanol solution to match the wine matrix and are suitable for use as quality control standards in all spectrophotometric instruments.

#### **CONTENTS**

The kit includes the following reagents:

<b>Reagent</b>	<b>Calibrator Concentrations</b>				<b>Quantity</b>	<b>Stability</b>
	Acetic acid	L-Malic acid	D-Glucose	D-Fructose		
Standard 1	0.0g/L	0.0g/L	0.0g/L	0.0g/L	20mL	12 months at 4°C
Standard 2	0.1g/L	0.1g/L	0.25g/L	0.25g/L	20mL	12 months at 4°C
Standard 3	0.5g/L	0.5g/L	1.25g/L	1.25g/L	20mL	12 months at 4°C
Standard 4	1.0g/L	1.0g/L	2.5g/L	2.5g/L	20mL	12 months at 4°C
Standard 5	1.5g/L	1.5g/L	5.0g/L	5.0g/L	20mL	12 months at 4°C
Standard 6	2.0g/L	3.0g/L	10.0g/L	10.0g/L	20mL	12 months at 4°C

#### **STORAGE**

- **Store in refrigerator**
- **Do not freeze**
- **Keep containers tightly closed**

#### **SAFETY**

- **Wear safety glasses**
- **Wear protective gloves**
- **Flammable liquid and vapour**
- **Keep away from heat, hot surfaces, sparks, open flames and other ignition sources**
- **Refer to the Safety Data Sheets**