

Name _____

Section _____

Date _____

Volumetric Analysis of Vitamin C

DATA SHEET

reaction :

Unknown No.: _____

Concentration of standard KIO_3 solution, M _____

	<u>Trial 1</u>	<u>Trial 2</u>	<u>Trial 3</u>
Initial burette reading, mL	_____	_____	_____
Final burette reading, mL	_____	_____	_____
Volume of KIO_3 used, mL	_____	_____	_____
Amount of KIO_3 used, mol	_____	_____	_____
Amount of I_2 formed, mol	_____	_____	_____
Amount of ascorbic acid in unknown, mol	_____	_____	_____
Volume of ascorbic acid solution used, mL	_____	_____	_____
Concentration of ascorbic acid, M	_____	_____	_____
Average Concentration of ascorbic acid, M	_____ <i>correct s.f.</i>		

Sample calculation :