Chem 222 Lab Report Summary Sheet
29-11 Iodimetric Titration of Vitamin C

Name: _____

TA: _____

Unknown Sample Number: _____

1) Standardization of Thiosulfate Solution

	Trial 1	Trial 2	Trial 3
mass of $Na_2S_2O_3 \cdot 5\ H_2O$,			
KIO_3 molarity			
KIO_3 volume			
Moles KIO_3			
$S_2O_3^{2-}$ titration volume			
Moles of $S_2O_3^{2-}$			
$[Na_2S_2O_3]$			
Average $[Na_2S_2O_3]$			

2) **Analysis of Vitamin C**

	Trial 1	Trial 2	Trial 3
KIO_3 concentration			
KIO_3 volume			
Moles KIO_3 used			
Moles I_3^- formed ($I_{3\ total}^-$)			
$S_2O_3^{2-}$ titration volume			
Moles $S_2O_3^{2-}$ used			
Moles I_3^- titrated ($I_{3\ excess}^-$)			
Moles ascorbic acid			
Grams ascorbic acid/tablet			
Average grams / tablet			

Grading Results (for grader's use only)

Real ascorbic acid (g) / tablet	g/tablet
Experimental error	
Lab report grade	/ 100