

Experiment 2 – Determination of Mn in Steel

NAME: _____

UNKNOWN NUMBER _____

TA: _____

Score

Accuracy 60 pts	
Precision 40 pts	

Raw Data - Titration

	Mass % Mn
Trial 1	
Trial 2	
Trial 3	

Spectrophotometric Results * Attach a plot of your data

[Mn] standard (ppm)	Absorbance (525 nm)

Mass of Mn dissolved in the standard solution _____

Mass of Steel dissolved _____

Volume of Steel solution used for standard addition _____

Final Result*

Titration		Spectrophotometric	
Mass % Mn	95% C.I.	Mass % Mn	95% C.I.

*Report your result to two decimal places \pm 95% confidence interval