

A. Notebook. General organization, completeness, documentation, clarity.	Comments
1. Table of Contents up-to-date	
2. Title, dates, signature	
3. Summary of method, reactions	
4. Stepwise working procedure	
5. Data entered in ink, documented. Original data reorganized as needed to produce original, legible record.	
B. Notebook. Calculations and Data Treatment	
1. Data complete	
2. Equations and calculations	
3. Error analysis	
C. Lab Practice	
1. Wears safety goggles at all times	
2. Practices good chemical hygiene (keeps clean, organized work space at workstation and elsewhere in lab)	
3. Arrives on time for beginning of lab	
4. Employs recommended lab techniques (eg, weighing by difference, data entered directly in notebook)	
5. Comes to lab prepared (eg, procedure outlined in notebook)	
General Comments/Recommendations	
Notebook and Lab Practice Grade (10)	
D. Accuracy of Reported Result (100)	

Detail for Part B

1. Data Complete
 - a. Preparation of standard CaCl_2 . Molarity based on mass of CaCO_3 .
 - b. Standardization of EDTA vs std CaCl_2 .
 - c. Titrate aliquots of diluted unknown.
2. Data and calculations
 - a. Calculate molarity of std CaCl_2 based on mass of CaCO_3 .
 - b. Calculate molarity of EDTA.
 - c. Calculate ppm CaCO_3 in diluted sample.
3. Error Analysis
 - a. Standard deviation and 90% confidence limits on average ppm CaCO_3 .