



Palestine Technical University - Kadoori

Faculty of Applied Sciences

Wednesday, 19/6/2012

General Chemistry Lab2

Quiz

Time allowed: 10 Min.

Name (in Arabic):

Section (day):

A 10.0-mL volume of Ultra Bleach is diluted to 100 mL in a volumetric flask. A 25.0-mL sample of this solution is analyzed according to the procedure in the bleach analysis experiment. Given that 33.75 mL of 0.135 M Na₂S₂O₃ are needed to reach the stoichiometric point, answer the following questions.

- a. How many grams of available Cl₂ are in the titrated sample?
- b. How many grams of Ultra Bleach are analyzed? Assume that the density of bleach is 1.084 g/mL.
- c. Calculate the percent available chlorine in the Ultra Bleach.