CHM 3120L

INTRODUCTION TO ANALYTICAL CHEMISTRY

LABORATORY REPORT

# EXPERIMENT: POLYMER END-GROUP ANALYSIS: THE DETERMINATION OF AVERAGE MOLECULAR WEIGHT

Name: Click here to enter text.

Section: Click here to enter text.

Date Experiment Completed: Click here to enter a date.

1. Complete the following table that includes the molarity of titrable hydrogens in your PMDA solutions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Molarity of PMDA Solutions | | | | |
| Solution 1 | Solution 2 | Solution 3 | Average | St. Dev. |
|  |  |  | #DIV/0! | #DIV/0! |
|  |  |  | #DIV/0! | #DIV/0! |

2. Complete the following table that includes the *Mn* for each aliquot of PEG:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Mn* | | | | |
| PEG 1 | PEG 2 | PEG 3 | Average | St. Dev. |
|  |  |  | #DIV/0! | #DIV/0! |
|  |  |  | #DIV/0! | #DIV/0! |