LABORATORY REPORT SHEET(1)

Part a Preparation of KHP Solution

Mass KHP in 100.0 mL flask (g) _________________

Moles KHP in 100.0 mL flask _________________

Molarity of KHP solution _________________

Part b Standardization of NaOH Solution

Code number of NaOH solution _________________

Vol. KHP in Erlenmeyer flasks (mL) _________________

moles KHP in Erlenmeyer flasks _________________

<table>
<thead>
<tr>
<th>Titration #</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vol. NaOH to endpoint (mL)</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Conc. of NaOH solution (M)</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
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</tr>
</tbody>
</table>

Mean conc. of NaOH solution _________________ Standard Deviation _________________
Part c  Molecular Weight Determination

Unknown Acid Number  

Mass of Acid, g  

Conc. of NaOH solution (M) 

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Moles
unknown acid  

Molecular Mass
unknown acid  

Mean Molecular Mass  

Standard Deviation  

Molarity of Unknown Acid  

51