Lab report

Student’s Name  
Institution

Course Code

Date

**Materials Required**

* Thermometer port
* Capillary sample port
* Viewer
* Melting tube
* Substance
* Urea
* Cinematic acid

**Procedures**

First, the capillary sample is prepared for pure urea and cinematic acid and other mixtures which will be used for the experiment. The substances or mixtures are measured in ratio to ensure that appropriate volume is taken for the experiment. The melting point of each substance to be used for the experiment is then measured. The values obtained are then recorded on a clear sheet because they will be needed later for the calculation of the changes which occurred. Get the unknown substance and then get the range of weight of the substance. After that, the unknown substance is then mixed with pure sample. The mixture of the pure sample and unknown substance are burned to determine the melting range of the mixture. Record the range of measurements obtained on a fresh sheet for unknown substance, pure sample and the mixture of pure sample and unknown substance. The melting point of the different substances is then calculated to determine the range of difference in the melting point under different conditions.