GROUP 8

**ACTIVITY 9**

**GENERAL CHARACTERISTICS OF CARBOHYDRATES**

**Ignition Test**

**Procedure:** Place a small amount of starch enough to cover the bottom of a porcelain crucible. Heat gently at first then more strongly until the bottom of the crucible becomes hot.



**Observation:** During the experiment bubbles and smoke were produced. The sample caught fire, changed color, emitted an odor, and left a black residue.

**Solubility Test**

**Procedure:** Test the solubility of a pinch of sucrose in 2ml of each of the following solvents listed below. Indicate whether soluble or insoluble.

|  |  |
| --- | --- |
|  | * Arranged from left to right   Water: soluble   * 1. M NaOH: soluble   2. M HCl: soluble   Ethyl alcohol: insoluble  Chloroform: insoluble |