

Qualitative Tests for Identification of Monosaccharide, Disaccharide and Polysaccharide Belongs to Carbohydrate Functional Group

Dr. H. D. Jahangirpuria, S. A. Makwana, C. G. Patel

K.K Shah Jarodwala Maninagar Science College, Maninagar, Ahmedabad, Gujarat, India

ABSTRACT

Carbohydrates are polyhydroxy compounds⁽¹⁾ that are either aldehyde or ketones containing Carbon, Hydrogen and oxygen. They are important to understand as there are large no. of carbohydrates varying from small sugar molecule i.e simple glucose to polymers such as glycogen, cellulose. Qualitative analysis of carbohydrates refers to finding out which specific sugar is present in the unknown solution.

Keywords: Qualitative tests for carbohydrates are Molisch's test, Iodine test, Barfoed's test, Benedict's test, Seliwanoff's test, Bial's test, Fehling's test and Osazone test.