

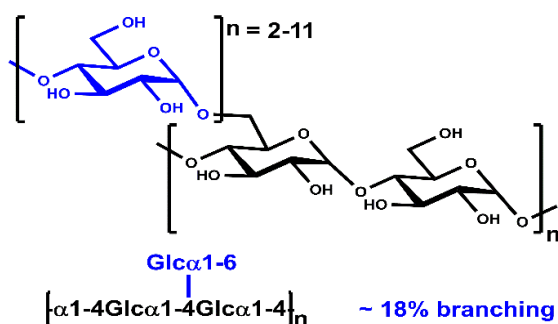
GLYCOGEN (Algae)

08/23

P-GLYAL

CAS: 9005-79-2
Source: *Galdieria sulphuraria*

STRUCTURE:



Schematic representation of algae glycogen subunit composed of α -(1,4) linked glucose monosaccharide backbone with α -(1,6) branches of α -(1,4) linked glucose monosaccharides.

Refer to the product lot number Certificate of Analysis for lot specific properties.

DESCRIPTION:

Algae glycogen is a branched polysaccharide containing a Glc- α -1,4-linked backbone. Branching points are connected via a α -1,6 linkage and side-chains are composed of Glc- α -1,4-linked oligosaccharides. Its structure is similar to that of glycogen from other sources (e.g. oyster), however, algae glycogen has higher degree of branching and shorter side chains.¹

PROPERTIES:

Physical Description: White/Off-white/Slightly off-white, odourless powder

STORAGE CONDITIONS:

Store dry at room temperature in a well-sealed container. Under these conditions, the product is stable for several years.

¹Martinez-Garcia, M., Stuart, M. C. A. & van der Maarel, M. J. E. C. (2016). *Int. J. Biol. Macromol.*, 89, 12-18.