

S U M M A R Y

A Polysaccharide was obtained in 4 - 45 % yield from the ground seeds of *Lupinus termis* (Variety Giza 2). Its specific optical rotational in alkali (Ca. + 75) while in cuprammonium complex (Ca. -468.75). Qualitative and quantitative analysis of the polysaccharide hydrolysate yields four simple sugars : D-galactose, L-arabinose, D-xylose, and L-rhamnose with molecular ratios 5 : 3 : 1 : 1 respectively.

The absorption spectrum of the polysaccharide showed that the linkage between the units were of the B type.

The polysaccharide was completely methylated using dimethylsulfoxide as a solvent, dimethyl sulphate and sodium hydroxide. Separation and examination of the fission products of the methylated polysaccharide using thin layer chromatographic technique and microanalytical, physical measurements showed the presence of 2,3,6 tri-O-methyl-D-galactopyranose (0.26 mole), 2,4 di-O-methyl-D-galactopyranose (0.06 mole), 2,3 di-O-methyl-L-arabinofuranose (0.21 mole), 2,3 di-O-methyl-D-xylopyranose (0.07 mole), 2,3,4 tri-O-methyl-rhamnopyranose (0.06 mole).