

Thematic direction: the Polysaccharides of microalgae. Part 1.

General chemical characteristics of extracellular polysaccharides of cyanobacterium *Nostoc muscorum* Ag. ex Born. et Flah.

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Abstract

For the cyanobacterium *Nostoc muscorum* the general chemical characteristics of polysaccharides isolated from the culture fluid is given. The content glycuronic acids and protein in the extracellular polysaccharides are respectively 22.1 and 7.3%. In the composition of extracellular polysaccharides is dominated by four monosaccharide: mannose (9.0%), galactose (7.9%), glucose (6.9%) and xylose (5.9%).