



## SPECIFICATION

### Ulvan - *Ulva rotundata*-summer

Product Code:	OU09367
Synonyms:	Sulfated xylorhamnoglycuronan
Chemical Formula:	(C <sub>6</sub> H <sub>9</sub> O <sub>3</sub> SO <sub>3</sub> ) <sub>n</sub>
Molecular Weight:	1050000 (51%) 140000 (28%) <140000 (21%)

## TECHNICAL SPECIFICATION

Appearance:	White powder
Purity (Mass balance):	min 90%
Gal+Glu:	13%mol
Gluc:	16%mol
Idu:	9%mol
Rha:	42%mol
Xyl:	20%mol
Protein:	17% of mass
Sulfate:	19% of mass
Total sugars:	64% of mass

Decription: Hydrosoluble heteropolysaccharides extracted from *Ulvarotundata* green seaweed. Two main disaccharide sequences are repeated along a linear backbone (lightly branched): b-D-1,4-glucuronic acid a-L-1,4-rhamnose 3-sulfate and a-L-1,4-iduronic acid a-L-1,4-rhamnose 3-sulfate. Ulvans are rare polyelectrolytes containing 2 types of negatively charged groups (sulfate esters and carboxylate). They have texturizing properties of water and can form thermoreversible gels.