



## SPECIFICATION

### Ulvan - *Ulva rotundata*-autumn

Product Code:	OU09366
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:	630000 (51%) 87000 (35%) <87000 (14%)

## TECHNICAL SPECIFICATION

Appearance:	White powder
Purity (mass balance):	min 90%
Gal+Glu:	9%mol
Gluc:	26%mol
Idu:	3%mol
Rha:	55%mol
Xyl:	7%mol
Protein:	15% of mass
Sulfate:	23% of mass
Total sugars:	62% of mass

Decription: Hydrosoluble heteropolysaccharides extracted from *Ulva rotundata* green seaweed. Two main disaccharide sequences are repeated along a linear backbone (lightly branched): β-D-1,4-glucuronic acid α-L-1,4-rhamnose 3-sulfate and α-L-1,4-iduronic acid α-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.