



SPECIFICATION

Ulvan - *Ulva armoricana*-winter-Light

Product Code:	OU09365
Synonyms:	Sulfated xylorhamnoglycuronan
Chemical Formula:	(C ₆ H ₉ O ₃ SO ₃) _n
Molecular Weight:	660000 (61%) 100000 (30%) <100000 (10%)

TECHNICAL SPECIFICATION

Appearance:	White powder
Purity (Mass balance):	min 90%
Gal+Glu:	3%mol
Gluc:	28%mol
Idu:	7%mol
Rha:	55%mol
Xyl:	7%mol
Protein:	10% of mass
Sulfate:	18% of mass
Total sugars:	72% of mass

Decription: Hydrosoluble heteropolysaccharides extracted from *Ulva armoricana* 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.