

OligoTech[®] - Carbohydrates for Cosmetic applications

Our offer of natural carbohydrates includes 188 products consistent with definitions of the INCI (International Nomenclature of Cosmetic Ingredients).

- Elicityl develops scalable and efficient production processes, which allow the industrial production of each oligosaccharide and polysaccharide.
- Characterization and Quality control: Each product is analyzed by Nuclear Mass Spectrometry (NMR) and High Performance Anion Exchange Chromatography (HPAEC) for structure validation and determination of purity level.

OligoTech [®] Product description	Origin	Corresponding INCI Name(s)	Possible functions of INCI ingredients used in cosmetic products as provided in CosIng inventory of the European Commission	Candidate for new cosmetic activity Screening
Glucans - Xyloglucans				
GLU1000 Xyloglucan oligosaccharides	Apple (Pyrus malus)	Xyloglucan	<i>Humectant</i>	✓
Glucans - Cellodextrins				
GLU300 Cellobiose (DP2)	Cotton linter	Hydrolyzed cellulose	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU301 Celotriose (DP3)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU302 Celotetraose (DP4)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU303 Cellopentaose (DP5)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU304 Cellohexaose (DP6)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU305 Celloheptaose (DP7)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU306 Cellooctaose (DP8)	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	✓
GLU308 High DP Cello-Oligosaccharides	Cotton linter	Hydrolyzed beta-glucan	<i>Deodorant, Hair conditioning, Hair waving or straightening</i>	
Glucans - Maltodextrins				
GLU311 Maltodextrin oligosaccharide mixture	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	
GLU312 Maltose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓

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GLU313	Maltotriose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU314	Maltotetraose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU315	Maltopentaose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU316	Maltohexaose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU317	Maltoheptaose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU318	Maltooctaose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU319	Maltononaose	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU320	Maltodextrin oligosaccharides DP10	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	✓
GLU321	Maltodextrin oligosaccharides DP13	Corn, potato, wheat starch	Maltooligosyl glucoside	<i>Binding, Film forming, Skin conditioning</i>	

Glucans - Dextrin

GLU330	Starch	Corn, potato, wheat starch	Zea mays starch	<i>Absorbent, Binding, Bulking, Viscosity controlling</i>	
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Glucans - Laminarans

GLU500	Laminaran polysaccharide from Laminaria sp.	Laminaria digitata or Laminaria japonica	Laminaria digitata extract	<i>Skin protecting</i>	
GLU510	Laminaran polysaccharide from Fucus v.	Fucus vesiculosus	Algae extract / Fucus vesiculosus extract	<i>Emollient, Humectant, Masking, Oral care, Skin conditioning, Smoothing, Soothing</i>	
GLU501	Laminaran oligosaccharide mixture	Laminaria digitata or Laminaria digitata	Laminaria digitata extract	<i>Skin protecting</i>	✓

Glucans - Lichenan & Isolichenan

GLU600	Lichenan polysaccharide	Cetraria islandica	Cetraria islandica extract	<i>Cleansing, Emollient, Smoothing, Soothing</i>	
GLU601	Isolichenan polysaccharide	Cetraria islandica	Cetraria islandica extract	<i>Cleansing, Emollient, Smoothing, Soothing</i>	
GLU602	Lichenan & Isolichenan polysaccharide	Cetraria islandica	Cetraria islandica extract	<i>Cleansing, Emollient, Smoothing, Soothing</i>	
GLU610	Isolichenan oligosaccharides	Cetraria islandica	Cetraria islandica extract	<i>Cleansing, Emollient, Smoothing, Soothing</i>	✓

Glucans - Scleroglucan

GLU700	Scleroglucan polysaccharide	Sclerotium rolfsii	Sclerotium gum	<i>Skin conditioning, Emulsion stabilising, Viscosity controlling</i>	
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Glucans - Lentinan

GLU800	Lentinan polysaccharide	Lentinula edodes (shiitake)	Lentinus edodes extract	<i>Skin conditioning</i>	
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Glucans - Xanthan

GLU200	Xanthan gum polysaccharide	Xanthomonas campestris	Xanthan gum	<i>Binding, Emulsifying, Emulsion stabilising, Gel forming, Skin conditioning, Surfactant, Viscosity controlling</i>	
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Glucans - Chitin / Chitosan

GLU410	Chitin polysaccharide	Exoskeleton of crustacean	Chitin	<i>Abrasive, Bulking</i>	
GLU420	Chitosan polysaccharide	Exoskeleton of crustacean	Chitosan	<i>Film forming, Hair fixing</i>	

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GLU421	Chitosan oligosaccharides mixture	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
GLU432	Chitin oligosaccharides DP2 / Chitinbiose	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU433	Chitin oligosaccharides DP3	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU434	Chitin oligosaccharides DP4	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU435	Chitin oligosaccharides DP5	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU436	Chitin oligosaccharides DP6	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU437	Chitin oligosaccharides DP7	Exoskeleton of crustacean	Hydrolyzed chitin	<i>Hair conditioning, Skin conditioning</i>	✓
GLU422	Chitosan oligosaccharides DP60	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
GLU423	Chitosan oligosaccharides DP40	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
GLU424	Chitosan oligosaccharides DP24	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
GLU425	Chitosan oligosaccharides DP12	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
GLU426	Chitosan oligosaccharides DP6	Exoskeleton of crustacean	Hydrolyzed chitosan	<i>Film forming, Hair conditioning, Skin conditioning</i>	✓
Ulvans					
ULV100	Ulvan polysaccharides from Ulva sp. Native grade	Ulva armoricana	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
ULV102	Ulvan polysaccharides from Ulva sp.	Ulva armoricana	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
ULV101	Ulvan polysaccharides from Enteromorpha sp. Native grade	Enteromorphan intestinalis	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
ULV103	Ulvan polysaccharides from Enteromorpha sp.	Enteromorphan intestinalis	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
ULV010	Ulvan oligosaccharides from Ulva sp. (cut-off<10kDa)	Ulva armoricana	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV011	Ulvan oligosaccharides (cut-off<10kDa) from Enteromorpha sp.	Enteromorphan intestinalis	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV001	Ulvan oligosaccharides (3kDa<cut-off<5kDa) from Ulva sp.	Ulva armoricana	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV002	Ulvan oligosaccharides (1kDa<cut-off<3kDa) from Ulva sp.	Ulva armoricana	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV003	Ulvan oligosaccharides (650Da<cut-off<1kDa) from Ulva sp.	Ulva armoricana	Hydrolyzed algae extract	<i>Skin conditioning</i>	
ULV005	Ulvan oligosaccharides (3kDa<cut-off<5kDa) from Enteromorpha sp.	Enteromorpha intestinalis	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV006	Ulvan oligosaccharides (1kDa<cut-off<3kDa) from Enteromorpha sp.	Enteromorpha intestinalis	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
ULV007	Ulvan oligosaccharides (650Da<cut-off<1kDa) from Enteromorpha sp.	Enteromorpha intestinalis	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓

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Fucoxidans					
FUC100	Fucoxidan polysaccharide from Fucus vesiculosus	Fucus vesiculosus	Algae extract / Fucus vesiculosus extract	<i>Emollient, Skin conditioning, Smoothing, Soothing, Humectant, Masking, Oral care</i>	
FUC300	Fucoxidan polysaccharide from Chorda filum	Chorda filum	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
FUC400	Fucoxidan polysaccharide from Ascophyllum nodosum	Ascophyllum nodosum	Ascophyllum nodosum extract / Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
FUC500	Fucoxidan polysaccharide from Durvillea antarctica	Durvillea antarctica	Durvillea antarctica extract / Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
FUC200	Galactofucan polysaccharide from Undaria pinnatifida	Undaria pinnatifida	Undaria pinnatifida extract / Algae extract	<i>Skin conditioning, Skin protecting, Emollient, Humectant, Masking</i>	
FUC110	Fucoxidan oligosaccharides (Cut-off<10kDa) from Fucus vesiculosus	Fucus vesiculosus	Hydrolyzed Fucus vesiculosus extract / Hydrolyzed algae extract	<i>Skin conditioning, Smoothing, Soothing</i>	✓
FUC310	Fucoxidan oligosaccharides (Cut-off<10kDa) from Chorda filum	Chorda filum	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
FUC410	Fucoxidan oligosaccharides (Cut-off<10kDa) from Ascophyllum n.	Ascophyllum nodosum	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
FUC510	Fucoxidan oligosaccharides (Cut-off<10kDa) from Durvillea a.	Durvillea antarctica	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
FUC610	Galactofucan oligosaccharides (Cut-off<10kDa) from Undaria pinnatifida	Durvillea antarctica	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
Xylans					
XYL100	Xylan polysaccharide from Palmaria palmata	Undaria pinnatifida	Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
XYL101	Arabinoxylan polysaccharide from wheat bran	Wheat bran	Arabinoxylan	<i>Film forming</i>	
XYL110	Xylan oligosaccharides XOs from Palmaria p.	Palmaria palmata	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
XYL111	Xylan oligosaccharides XOs from Palmaria p.	Palmaria palmata	Hydrolyzed algae extract	<i>Skin conditioning</i>	✓
Galactans					
GAL100	Arabinogalactan polysaccharide (from Codium f.) Native grade	Codium fragile	Codium fragile extract / Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
GAL101	Arabinogalactan polysaccharide (from Codium f.)	Codium fragile	Codium fragile extract / Algae extract	<i>Skin conditioning, Emollient, Humectant, Masking</i>	
GAL500	Agar polysaccharides	Gracilaria	Agar / Agarose	<i>Binding, Masking, Viscosity controlling, Skin conditioning</i>	
Mannans					
MAN800	Mannan polysaccharide (Ivory Nut or Tagua)	Tagua	Mannan	<i>Film forming</i>	
MAN801	Acemannan polysaccharide (Aloe vera)	Aloe vera	Aloe barbadensis extract / Aloe barbadensis leaf extract	<i>Skin conditioning, Emollient, Humectant, Oral care</i>	
MAN200	Galactomannan polysaccharides from Guar	Guar (Cyamopsis tetragonoloba)	Cyamopsis tetragonoloba gum	<i>Binding, Emulsion stabilising, Film forming, Masking, Viscosity controlling</i>	
MAN201	Galactomannan polysaccharides from Carob (locust bean gum)	Carob (Ceratonia siliqua)	Ceratonia siliqua gum / Ceratonia siliqua fruit extract / Ceratonia siliqua seed ext.	<i>Binding, Emollient, Emulsion stabilising, Film forming, Masking, Viscosity controlling, Skin conditioning</i>	
MAN300	α-Digalactosyl mannopentaose	Guar (Cyamopsis tetragonoloba)	Hydrolyzed guar	<i>Viscosity controlling</i>	✓

MAN400	α-galactosyl Mannobiose & Mannotriose	Guar (Cyamopsis tetragonoloba)	Hydrolyzed guar	<i>Viscosity controlling</i>	✓
MAN500	α-galactosyl Mannotriose	Guar (Cyamopsis tetragonoloba)	Hydrolyzed guar	<i>Viscosity controlling</i>	✓
MAN600	Glucomannan polysaccharide from Konjac	Amorphophallus konjac	Glucomannan / Amorphophallus konjac root extract	<i>Skin conditioning, Skin protecting, Film forming, Humectant</i>	
MAN610	Glucomannan oligosaccharides	Amorphophallus konjac	Glucomannan / Hydrolyzed Amorphophallus konjac root	<i>Skin conditioning, Skin protecting, Humectant</i>	✓
MAN700	Galactoglucomannan polysaccharide	Picea abies	Picea abies extract	<i>Skin conditioning</i>	
Alginates					
ALG100	Alginate polysaccharides (from Laminaria japonica)	Laminaria japonica	Algin / Alginic acid / Algae extract / Laminaria japonica extract	<i>Binding, Masking, Viscosity controlling, Skin conditioning, Emollient, Humectant, Skin protecting</i>	
ALG101	Alginate polysaccharides (from Fucus vesiculosus)	Fucus vesiculosus	Algin / Alginic acid / Algae extract / Fucus vesiculosus extract	<i>Binding, Masking, Viscosity controlling, Skin conditioning, Emollient, Humectant, Smoothing, Soothing</i>	
ALG102	Alginate polysaccharides (from Ascophyllum nodosum)	Ascophyllum nodosum	Algin / Alginic acid / Algae extract / Ascophyllum nodosum extract	<i>Binding, Masking, Viscosity controlling, Skin conditioning, Emollient, Humectant</i>	
ALG103	Alginate polysaccharides (from Chorda filum)	Chorda filum	Algin / Alginic acid / Algae extract	<i>Binding, Masking, Viscosity controlling, Skin conditioning, Emollient, Humectant</i>	
ALG104	Alginate polysaccharides (from Durvillaea antarctica)	Durvillaea antarctica	Algin / Alginic acid / Algae extract	<i>Binding, Masking, Viscosity controlling, Skin conditioning, Emollient, Humectant</i>	
ALG300	Guluronate oligosaccharides DP20 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning, Emollient, Skin conditioning, Smoothing, Soothing</i>	✓
ALG310	Guluronate oligosaccharides DP10 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG320	Guluronate oligosaccharides DP5 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG330	Guluronate oligosaccharides DP3 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG500	Mannuronate oligosaccharides DP20 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG510	Mannuronate oligosaccharides DP10 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG520	Mannuronate oligosaccharides DP5 (sodium salt)	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓
ALG530	Mannuronate oligosaccharides DP3	Laminaria japonica	Hydrolyzed algin	<i>Hair conditioning</i>	✓

(sodium salt)

Galacturonans				
GAT100	Galacturonate polysaccharides HM from citrus	Citrus aurantifolia peel	Pectin / Citrus aurantifolia peel extract	<i>Binding, Emulsion stabilising, Viscosity controlling, Skin conditioning</i>
GAT101	Galacturonan polysaccharides HM from apple	Apple (Pyrus malus)	Pectin / Pyrus malus fruit extract	<i>Binding, Emulsion stabilising, Viscosity controlling, Skin conditioning, Cleansing, Hair conditioning</i>
GAT102	Galacturonate polysaccharides LM from citrus	Citrus aurantifolia peel	Pectin / Citrus aurantifolia peel extract	<i>Binding, Emulsion stabilising, Viscosity controlling, Skin conditioning</i>
GAT103	Galacturonan polysaccharides HM from apple	Apple (Pyrus malus)	Pectin / Pyrus malus fruit extract	<i>Binding, Emulsion stabilising, Viscosity controlling, Skin conditioning</i>
GAT110	Galacturonan oligosaccharides block	Apple (Pyrus malus)	Hydrolyzed pectin	<i>Skin conditioning</i> ✓
GAT111	Galacturonan oligosaccharides DP3/DP3	Apple (Pyrus malus)	Hydrolyzed pectin	<i>Skin conditioning</i> ✓
GAT112	Galacturonan oligosaccharides DP7/DP8	Apple (Pyrus malus)	Hydrolyzed pectin	<i>Skin conditioning</i> ✓
GAT200	Apiogalacturonan polysaccharide	Zostera marina	Zostera marina extract	<i>Skin conditioning</i>
Arabinans				
ARB105	Arabinan polysaccharides	Apple (Pyrus malus)	Pyrus malus fruit extract	<i>Skin conditioning</i>
Fructans				
FRU100	Inulin from chicory roots	Chicory roots (Cichorium intybus)	Inulin / Cichorium intybus root extract	<i>Skin conditioning, Masking</i>
FRU110	Fructo-oligosaccharides from Jerusalem artichoke (FOs)	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU101	1-Kestose (DP3)	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU102	Nystose (DP4)	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU103	Fructo-oligosaccharide DP5 from Chicory roots	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU104	Fructo-oligosaccharide DP6 from Chicory roots	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU105	Fructo-oligosaccharide DP7 from Chicory roots	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU106	Fructo-oligosaccharide DP8 from Chicory roots	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i> ✓
FRU111	Fructo-oligosaccharide DP5	Jerusalem artichoke	Fructooligosaccharides /	<i>Skin conditioning, Humectant</i> ✓

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	from Jerusalem artichoke	(Helianthus tuberosus)	Helianthus tuberosus root extract		
FRU112	Fructo-oligosaccharide DP6 from Jerusalem artichoke	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i>	✓
FRU113	Fructo-oligosaccharide DP7 from Jerusalem artichoke	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i>	✓
FRU114	Fructo-oligosaccharide DP8 from Jerusalem artichoke	Jerusalem artichoke (Helianthus tuberosus)	Fructooligosaccharides / Helianthus tuberosus root extract	<i>Skin conditioning, Humectant</i>	✓
Spirulans					
SPR100	Spirulan polysaccharides	Spirulina platensis	Spirulina platensis extract	<i>Skin protecting</i>	
Heteroglycans					
HGL100	Sulfated heteropolysaccharides native grade	Caulerpa racemosa	Caulerpa racemosa extract	<i>Astringent, Hair conditioning, Nail conditioning, Skin conditioning</i>	
HGL101	Sulfated heteropolysaccharides	Caulerpa racemosa	Caulerpa racemosa extract	<i>Astringent, Hair conditioning, Nail conditioning, Skin conditioning</i>	
Glycan oligosaccharides					
GLY008	N-Acetyl-D-Lactosamine (LacNAc)	Escherichia coli	Acetyl lactosamine	<i>Antimicrobial, Bleaching, Skin conditioning</i>	✓
GLY090	3'Sialyllactose / 3'SL / N-Acetylneuraminoyllactose	Escherichia coli	Sialyllactose	<i>Skin conditioning</i>	✓
GLY140	Sialic acid (N-acetylneuraminic acid)	Escherichia coli	Acetylneuraminic acid	<i>Skin conditioning, Skin protecting</i>	✓
GLY143	L-fucose	Escherichia coli	Fucose	<i>Skin conditioning</i>	✓
Glycosaminoglycans					
GAG001	Heparin - high grade	Porcine mucosa	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG002	Low Molecular weight heparin	Porcine mucosa	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG003	Low-In-Calcium Heparin	Porcine mucosa	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG004	Dermatan Sulfate (from pig mucosa)	Porcine mucosa	Glycosaminoglycans	<i>Skin conditioning</i>	
GAG005	Heparan Sulfate	Porcine mucosa	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG034	Hyaluronic Acid 93kDa	Lactobacillus streptococcus	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG035	Hyaluronic Acid 391kDa	Lactobacillus streptococcus	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG036	Hyaluronic Acid 804kDa	Lactobacillus streptococcus	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
GAG037	Hyaluronic Acid 1100kDa	Lactobacillus streptococcus	Glycosaminoglycans	<i>Emollient, Film forming, Skin conditioning</i>	
Glycosaminoglycan oligosaccharides					
GAG011	Heparin dp4	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓

GAG012	Heparin dp6	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG013	Heparin dp8	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG014	Heparin dp10	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG015	Heparin dp12	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG016	Heparin dp14	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG017	Heparin dp16	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG018	Heparin dp18	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG019	Heparin dp20	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG020	Heparin Saccharide Mw. 7400	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	
GAG021	Heparin Saccharide Mw. 8000	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	
GAG022	Heparin Saccharide Mw. 8700	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	
GAG023	Heparin Polymer (>9000)	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	
GAG024	Hyaluronic Acid Oligosaccharide dp2	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG025	Hyaluronic Acid Oligosaccharide dp4	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG026	Hyaluronic Acid Oligosaccharide dp6	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG027	Hyaluronic Acid Oligosaccharide dp8	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG028	Hyaluronic Acid Oligosaccharide dp10	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG029	Hyaluronic Acid Oligosaccharide dp12	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG030	Hyaluronic Acid Oligosaccharide dp14	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG031	Hyaluronic Acid Oligosaccharide dp16	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG032	Hyaluronic Acid Oligosaccharide dp18	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG033	Hyaluronic Acid Oligosaccharide dp20	Lactobacillus streptococcus	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG038	Dermatan Sulphate dp4	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG039	Dermatan Sulphate dp6	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG040	Dermatan Sulphate dp8	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG041	Dermatan Sulphate dp10	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG042	Dermatan Sulphate dp12	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG043	Dermatan Sulphate dp14	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG044	Dermatan Sulphate dp16	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓

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GAG045	Dermatan Sulphate dp18	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG046	Dermatan Sulphate dp20	Porcine origin	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG047	ΔUA,2S – GlcNS,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG048	ΔUA,2S – GlcNS	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG049	ΔUA,2S – GlcNAc,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG050	ΔUA – GlcNS,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG051	ΔUA – GlcNS	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG052	ΔUA – GlcNAc	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG053	ΔUA,2S – GlcNAc	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG054	ΔUA – GlcNAc,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG055	ΔUA-2S ® GlcNCOEt-6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG056	ΔUA,2S – GlcN	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG057	ΔUA,2S – GlcN,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG058	ΔUA – GlcN,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG059	ΔUA – GlcN	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG060	ΔUA – GalNAc	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG061	ΔUA – GalNAc,4S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG062	ΔUA – GalNAc,6S	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG063	ΔUA – GalNAc,4S,6S (diE)	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG064	ΔUA,2S – GalNAc,4S (diB)	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG065	ΔUA,2S – GalNAc,6S (diD)	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG066	ΔUA,2S – GalNAc,4S,6S (triS)	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓
GAG067	ΔUA,2S – GalNAc	Porcine mucosa	Hydrolyzed glycosaminoglycans	<i>Skin conditioning, Hair conditioning, Humectant</i>	✓

Reference: CosIng – Cosmetic Ingredients & Substances: European Commission database with information on cosmetic substances and ingredients.
<http://ec.europa.eu/consumers/cosmetics/cosing/>

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