

Sustainable biochemicals from wood

Borregaard operates the world's most advanced biorefinery. By using natural, sustainable raw materials, Borregaard produces advanced and environmentally friendly biochemicals and biomaterials that replace oil-based products.

In line with the Borregaard strategy of specialisation and enhanced value creation, the company invests substantial resources in research, development and innovation. Borregaard has close to 100 employees in Innovation and R&D of which 36 hold a PhD degree.

Borregaard's bio-based products are alternatives to petrochemical-based products, thereby contributing to resolve some of the long-term global challenges associated with access to resources and the impact on the environment and climate. By using wood (Norwegian spruce) as a raw material Borregaard produces specialty cellulose, lignin, vanillin, cellulose fibrils and bioethanol. The production process focus on an optimum use of resources, which helps limit the need for raw materials.

The company is unique in supplying Vanillin from wood (Norwegian Spruce). Vanillin is the world's most used taste and flavouring agent. Most of the world's vanillin production is based upon petrochemical raw materials and Borregaard is the only producer in the world to make vanillin from wood.

SenseFi, one of Borregaard newest inventions, is a multifunctional innovative dietary fiber developed to increase the texture, mouth feel and indulgence of high quality food products. It is indigestible dietary fibres with no calories, making it ideal for fat reduced applications and emulsions like ice cream, sausages and mayonnaise/dressings. The production of SenseFi does not compete with food production and is sustainably sourced.

The Borregaard Group has 1100 employees in plants and sales offices in 16 countries throughout Europe, Americas, Asia and Africa.