



## ....ABOUT US

It is in a wonderful natural environment of Flanders Lowlands between Schelde and Durme Rivers, that **B.S.C nv** grows as one of the leading vegetal protease manufacturers.

Originally named **BLUE STAR CHEMICALS nv** in the 80's by a team of brewing masters and chemists, **B.S.C nv** was mainly active on the development, production and marketing of brewing aids for the local Belgian market.

End of 2002, **BLUE STAR CHEMICALS nv** has been taken over. A new management team, having a considerable technical knowledge on enzymes, gave an international orientation to the Company.

A recent choice was made to only use the abbreviated name **B.S.C nv** with a new logo including green leaves indicating that the range of products are of known vegetal origin.

### 2007 ... Four Years Later

End 2003, after one year of intensive work, an ISO 9001-2000 certification for "Production, formulation and distribution of enzymes, foam stabilizers, food-feed and pharmaceutical ingredients" was obtained. It was recently recertified up to end 2009.

In 2004, a largely increased cool (5°C—40°F) storage room was added to existing freeze capacity ensuring perfect conservation under ideal monitored conditions.

A technical-commercial agreement was made in the beginning of 2005 for the worldwide distribution, technical support and new product development for Enzymase Refined **Papain P1**. This well known **P1** powder has been synonym for pioneering in situ refining of fresh latex in Central Africa and this for over thirty years.



### New Products

New powder products were launched with **Papain P1NAS** (No Added Sulphite) grade actually in strong demand for niche applications and obtainable in large volumes on specific demand.

A **Papain P1.2** with high activity of 1.100-1.200 TU/mg and high enzyme protein content was introduced after successful stability tests and is also available on special demand.

Considerable take off increase from all export markets induced new investments on equipment in April/May of this year.

Increased filtration capacity and additional miscellaneous equipment were rendered operational as planned end of May.

A **200TU/mg Liquid Papain** with excellent stability records became popular for remote customers with proper formulation capacity.



## R & D

**B.S.C nv** could not look confidently towards its future if it was not supported by strong R&D and continuous listening to the market requirements of tomorrow. Close collaboration with reputed University Biochemical and Brewing departments with whom long standing relations have been established, encourages us to pursue our efforts in the learning process of the marvellous world of plant mechanisms and components. One day they will lead to new various applications.

Direct contacts with raw material sources give us considerable advantage and allow us to respond quickly with corrective actions when necessary.



## Small Flexible and Motivated Team

A small but motivated team has been welded together with one and same ambition « *achieving best customer satisfaction by providing excellent worldwide service and support* ».

Cultivating job passion and recognizing individual capabilities while working together on clearly defined goals, allows us to create a good working environment.



Most recent customer satisfaction questionnaire resulted in an average total score of 90 points on a total of 100, improving by 4 points the 2005 results. Highest appreciation were on quality of products, service, punctuality and communication. The lowest score was by far on ... price

## Difficult Raw Material Environment

There has been lately a general complaint on sharp rising papain formulation product prices. The higher the protease activity the higher the cost increase. This was a general phenomenon due to the latex source : the papaya plantations. Prohibition to cultivate within the limits of the Congolese National Park areas lead to a massive move of the papaya fields.

Sharp rising latex cost starting in 2005 through 2006 and first half of 2007 fuelled by increased market demand and insufficient inventories on raw and finished products finally resulted in a supply squeeze.

**B.S.C nv** tries to act as a buffer between the industrialised world and the peculiar environment of remote sourcing on the African Continent.

Recent price increases were all benefit to the local planters and population at the foot of the Ruwenzori Mountain called « Mountains of the Moon ». It will ultimately guarantee sufficient new papaya fields for the future.

**B.S.C nv** endeavours to support their activity knowing it has a huge impact on the local welfare and pride. We look forward to closely monitor the future evolution of the latex supplies.



## Thank you !

Additional Newsletters will follow. We think they may contribute to a better knowledge and understanding of what lies behind papain products.

We certainly want to thank you for your interest and continuous support to our Company.

They are the key to our existence and future developments.