METABOLIC EXPLORER

Foundation

- 1999
- Company listed on Euronext C

Employees

- 74

Feedstocks

- Crude glycerine
- Glucose, Sucrose
- Second generation sugars

Key bio-based products

- L-METHIONINE
- MPG
- PDO

Changing the way we produce

METabolic EXplorer (METEX) is a green chemistry company founded in 1999 that develops innovative processes based on the principle of industrial-scale fermentation.

These processes consist in using non-pathognic micro-organisms to produce intermediate chemicals that are used to manufacture products used in everyday life. This innovative technology is a genuine alternative to petrochemicalbased manufacturing.

At the forefront of a new industrial sector focused on renewable and sustainable solutions, METEX intends to be one of the first entrants on a market that has global implications.

The company has set itself two major challenges: to help industrial firms find new ways of sourcing and producing and to meet consumer's environmentally responsible expectations.

METEX competencies to provide industrial biotech solutions

Develop scientific innovation

The ability to identify & develop innovative pathways is a must-have to allow setting up competitive biotech processes. As a pioneer, METEX has a proven experience & has moved at early stage to integrate both strain & process development.

Value industrial renewable feedstocks

Renewable feedstocks are not standard products. METEX integrates quality, geographical & market variabilities into its development.

Prove industrial scale-up

Innovative processes need to be demonstrated at preindustrial scale. METEX has multipurpose and flexible equipments to design, validate process books and continuously optimize overall process economics.

Produce bio-based chemicals

Launching a new biochemical requires significant premarketing efforts, including sampling. Characterizing the different outputs of a biorefinery enables to identify by-product valuation opportunities.

Products

The molecules produced by METEX innovative technologies are Drop-in solutions for the users, offering an equivalent or higher level of quality & performance compared to existing routes, out of competitive & sustainable processes.

L-METHIONINE:

L-Methionine is mainly used as a feed additive for poultry & piglet. METEX has developed a performing technology and offers the only 100 % Bio-Methionine produced by a fermentation process from a renewable feedstock. METEX solution is a green alternative to support the expanding demand for amino-acids due to the growing consumption of meat worldwide.

MPG:

Monopropylene Glycol (MPG) is traditionally derived from Propylene Oxide. METEX offers a fermentation process able to produce a high quality product. MPG is used into a wide range of applications for everyday goods, such as resins for the construction industry, detergents, de-icing, cosmetics & personal care goods, lubricants, paints & coatings.

PDO:

METEX has developed an efficient production process enabling to produce PDO. This proven technology is offering an alternative route to a high quality product. METEX Bio-PDO is showing great features and offers the ability to produce high properties renewable fibers & carpets. TPU, Cosmetics & other specialty markets can also benefit from that bio-based performing diol.

BUTYRIC ACID:

Butyric acid produced from METEX process is a 100 % bio-based solution for the feed market. This sustainable procurement route is also an alternative & competitive solution for the production of fragances, other industrial applications or feed additives.

Innovative processes supported by a strong IP portfolio

Since its inception in 1999, METEX has pursued an active policy to reinforce and protect innovation. METEX enjoys today a portfolio of 431 titles among 52 patent families.

100 % Bio-based content in TEXEROL™

Link to Agrobiobase

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