



## **METabolic EXplorer confirms the superior nutritional and economic performance of inoLa™:**

### **35% greater nutritional value**

**Clermont-Ferrand, 6 September 2016** – METabolic EXplorer, a biological chemistry company that specialises in developing manufacturing bioprocesses for bio-based compounds used in a wide range of everyday products, including textile fibres, animal feed supplements and resins –, has demonstrated that its unique, entirely natural, L-Methionine-enriched additive, inoLa™, boosts nutritional value by 35%.

#### **Confirming inoLa's™ nutritional performance**

As announced in April, the preliminary results of the broiler test conducted on an INRA experimental farm already pointed out inoLa's™ highly promising nutritional performance, which was shown to be at least 20% greater than that of petrochemical DL-Methionine. Supplementary trials using a special experimental system\* in a poultry research unit located at the INRA facility in Nouzilly have recently quantified inoLa's™ nutritional advantage with even greater precision.

The latest results provide further confirmation of the performance of the product, which is 100% natural and rich in L-Methionine. Methionine, in its petrochemical "DL" form, becomes a limiting factor when its content in chicken feed is decreased by 35%. However, the same amount of inoLa™ maintains growth rates without significantly increasing feed intake. These results also indicate that with an equivalent dose of Methionine, the feed conversion ratio improves with the additive inoLa™ and its physiological form of L-Methionine, but that the same does not hold for DL-Methionine.

#### **Confirming inoLa's™ competitive advantage**

These trials confirm inoLa's™ net nutritional advantage and value with respect to increasing the poultry sector's competitiveness and farm profitability. Moreover, METabolic EXplorer indicates that chickens fed with inoLa™ produce significantly less abdominal fat and higher fillet yields, providing farmers with a direct gain with regard to the amount of meat produced.

Metabolic and histological analyses are currently being conducted to model the physiological mechanisms at play, both in terms of the animals' antioxidant activity, digestive and immune systems.

InoLa's™ composition is not only natural, but also unique, thereby creating new opportunities to develop innovative nutritional additives, which is becoming increasingly relevant as antibiotics and chemical equivalents are eliminated from farms. Talks are underway with several major firms in the nutritional additive sector that are dedicated to finding natural, high-performance products.

*\*An experimental system that allows researchers to perform a greater number of repetitions under the exact same conditions and measure performance parameters, such as the amount of feed ingested, more precisely.*

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**About METabolic EXplorer - [www.metabolic-explorer.com](http://www.metabolic-explorer.com)**

METabolic EXplorer is a biological chemistry company founded in 1999. Its aim is to harness its biotechnological innovations to contribute to the alternative production of consumer goods in respect of the environment and in response to the new social expectations of consumers.

Based on the tried and tested principle of industrial fermentation, METabolic EXplorer's solutions replace today's petrochemical processes with the use of a wide range of plant-based raw materials. By optimizing the metabolic yield of non-pathogenic bacteria in a contained, controlled environment, the company facilitates the production of chemical compounds used in a wide range of everyday goods (textile fibres, plastics, resins, solvents or feed supplements for animal nutrition and health).

METabolic EXplorer is currently focusing its alternative processes on the production of three compounds that together have an estimated, annual, end-market value of €7 billion. The company's strategy will be implemented through industrial partnerships in the shape of licenses and joint ventures, as well as own-account production units.

METabolic EXplorer, based in Clermont-Ferrand, France, is listed on Euronext in Paris (Compartment C, METEX) and is part of the CAC Small index.

*Get free financial information on METabolic EXplorer by registering with:  
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