

Analysis of building materials with an electronic nose

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Saint-Gobain, the world leader in the habitat and construction markets, designs, manufactures and distributes building materials, providing innovative solutions to meet growing demand in emerging economies, for energy efficiency and for environmental protection.

The mission of its research center is to develop new products and processes up to real scale and to technically assist production plants. All the techniques and know-how are then transferred to the plants.

Saint Gobain has recently trusted Alpha MOS by acquiring its latest ultra-sensitive and fast VOCs (Volatile Organic Compounds) analyzer.

Mrs Isabelle Lesieur, Chemistry Laboratory Manager, comments: « Alpha MOS was able to adapt to our needs to develop a custom-made solution in order to optimize the headspace generation step of our large volume samples.

The results we obtain with this electronic nose are very well correlated with the « car » odor tests conducted by Bureau Veritas.

We will now start to work on easy electronic nose methods to be able to transfer this solution in our plants. »



Saint Gobain laboratory, HERACLES electronic nose with 1L vials for incubating large volume sample

Saint Gobain



Activity

Design and manufacturing of building materials

Context

Odor assessment of large samples of building materials

Equipment

HERACLES Electronic Nose

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Website

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