

# Clariant acquires two BM-EVO2 dual-reactor respirometry systems from Surcis for its new plant in China



Clariant China has placed an order for two BM-EVO2 Multifunction Respirometry Systems, with double reactors.

The management was initially originated in [Clariant Ibérica](#) with Surcis, to finally be achieved through the company [Dingjia Electronics](#), which is the official distributor of Surcis in China.



Multipurpose Respirometry System BM-EVO2

## BM-EVO2 location

The two BM-EVO2 will be installed in the laboratories of the [new production plant in Daya Bay / Huizhou](#), where two state-of-the-art production lines for halogen-free flame retardants are being put into operation.

## About Clariant

[Clariant](#) is a Swiss company and multinational manufacturer of chemical products for different industrial areas. It has production plants on five continents. Its chemicals are called specialty chemicals because they are designed for specific applications in the raw material area. Clariant has about 100 groups of companies and in 2013 employs about 22,000 people around the world. The headquarters are located in Muttenz near Basel in Switzerland.

According to a press release, two state-of-the-art production lines for halogen-free flame retardants are being put into operation at the location in China's Guangdong Province. The company, which is headquartered in Muttenz in the canton of Basel-Landschaft, invested a sum of 60 million Swiss francs in the first pre-existing production line, which will install another line after an investment round of 40 million Swiss francs.

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Clariant's Daya Bay facility is currently home to the company's first ethoxylation plant in Asia, serving local pharmaceutical, personal care, home care and industrial applications customers within its Care Chemicals business area.



Clariant ei Daya Bay

### **BM Respirometers in Clariant**

It is the case that Clariant Tarragona (Spain) already had an initial BM-T model respirometer and then moved on to the BM-EVO model. With this, thanks to the good operation, the technical support of Surcis and customer satisfaction, it was decided to acquire these two new BM-EVO2 respirometry systems for China.

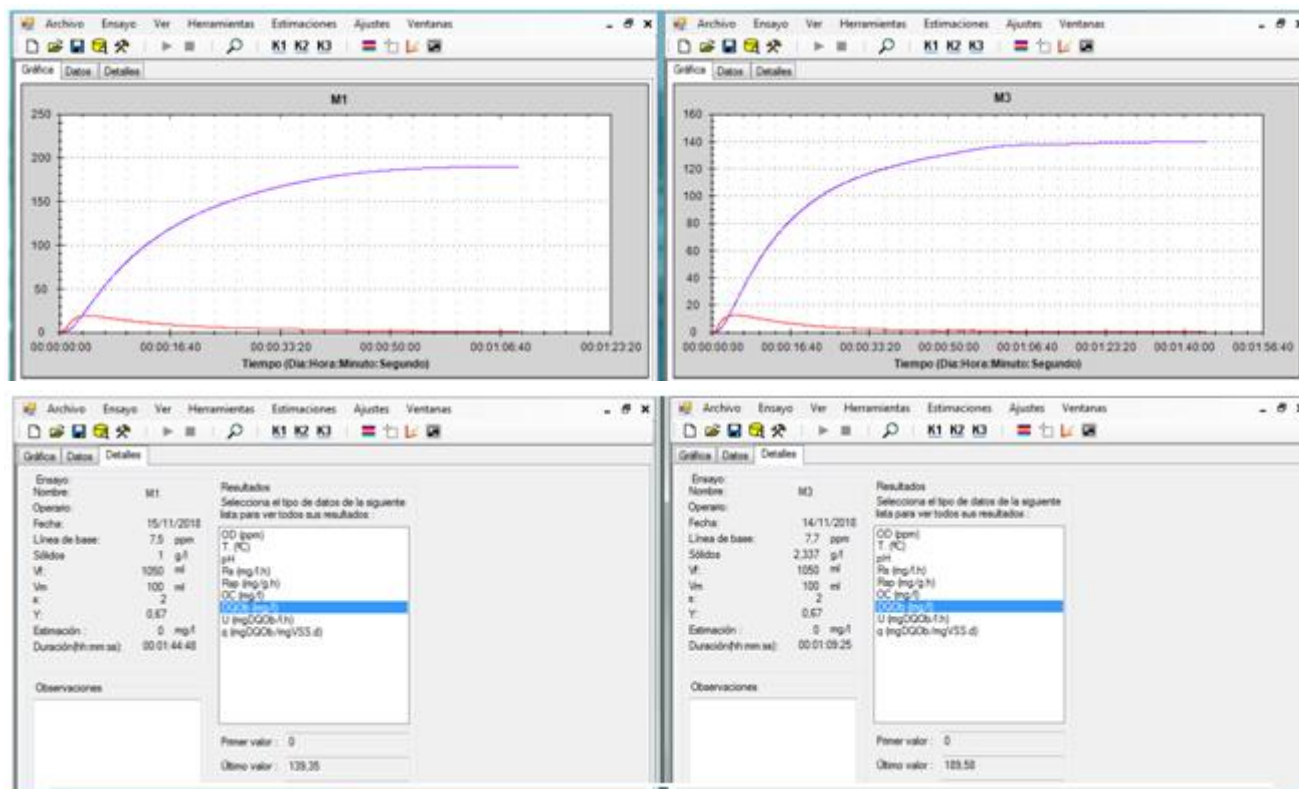
### **Main features of the BM-EVO2**

Together with the [BM-Advance2](#) and BM-Advance Pro2 models, the BM-EVO2 is the only two-reactor stand-alone respirometer on the market that can operate simultaneously with three types of operating modes (OUR, Cyclic and Dynamic R), with programmable automatic control of temperature, oxygen and sample volumes.

BM-EVO2 has also the capability to include the [biomass-carrier reactor](#) for MBBR systems and granular biomass.

The BM-EVO2 operates with two software loaded on a single computer. It has a specific adaptation to be able to automatically generate simultaneous respirograms of the different measurements being performed in each reactor at the same time.

The system software also supports the ability to display the respirograms and results in real time for comparison and monitoring of the different test screens performed in graphical (respirogram) and tabular form.



Respirograms and simultaneous results from each reactor

## BM Respirometers from Surcis in China

With this acquisition, there are now five BM respirometry systems installed in China. With this, Surcis continues to consolidate its position as a benchmark in laboratory respirometry systems in chemical industries around the world as well as in the main groups and institutions related to wastewater treatment, with a progressive and important expansion of its [references](#) at national and international level.

SURCIS S.L.