

Geneva, 24th September 2013

Recommendation letter for FlavourSpec®

To whom it may concern:

FlavourSpec® by G.A.S. Gesellschaft für analytische Sensorsysteme mbH have been used since July 2012 in the *Analytical Innovation group* of FIRMENICH SA – Corporate R&D division. After a 6 months period of evaluation we decided to acquire a FlavourSpec® to enhance our analytical capabilities in the fast analysis of volatile compounds. FlavourSpec® presented itself to us as very helpful analytical tool to quickly solve specific analytical questions especially with respect to quality control for food and flavours.

The instrument and the data analysis software can be employed for both individual substance detection and finger print analysis. Thanks to its selectivity and sensitivity, this device allows working without time consuming and laborious sample pre-treatment.

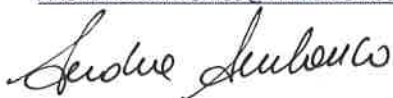
During all this period we have experienced reliable and excellent performances of the FlavourSpec®. The instrument stands out due to its:

- ease to use, a new operator is ready for measurements after 1 hour of training;
- ruggedness, no issues were experienced with the instrument;
- speed of measurement, typically below 12 minutes between two injections;
- sensitivity, detection limits in the low or sub ppbv were found for selected VOCs;
- direct sampling capability, no need of laborious sample preparation.

Moreover G.A.S. Gesellschaft für analytische Sensorsysteme mbH, demonstrated to be a reliable and flexible company with a customer-focused attitude. They were also keen to develop customized tools in order to satisfy specific needs.

Thus, we would like to recommend any interested user in flavour and food analysis to consider this unique gas chromatograph-ion mobility spectrometry set up. In case of any questions or doubts please do not hesitate to contact us.

DR. ANDREA AMANTONICO
SCIENTIST – ANALYTICAL INNOVATION – CORPORATE R&D
ANDREA.AMANTONICO@FIRMENICH.COM



DR. LAURENT WUNSCHÉ
DIRECTOR – ANALYTICAL INNOVATION – CORPORATE R&D
LAURENT.WUNSCHÉ@FIRMENICH.COM

