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Top performance in FAPAS proficiency testing by MIP Technologies using SupelMIP™ SPE for quantification of Chloramphenicol in prawns

Lund, Sweden, September 2, 2008. MIP Technologies AB, announced today their results from a FAPAS® (Food Analysis Performance Assessment Scheme) proficiency test of Chloramphenicol in prawns. MIP Technologies' laboratory used a *SupelMIP™ SPE-Chloramphenicol* cartridge for extraction of Chloramphenicol in prawns and arrived with their method at the assigned value 0.61 µg/kg with a z-score of 0.

FAPAS is the largest international analytical proficiency testing scheme and has been operating since 1990. The test material for FAPAS® proficiency test 02109 was dispatched in March 2008. Each participant received a prawn test material to be analysed for Chloramphenicol. In total, 131 sets of test material were distributed to participants in 34 countries. Of these participants, 93% returned results for the target analyte within the time-scale required by the Scheme and 82% of the laboratories participating arrived at a satisfactory result.

MIP Technologies used a simple, fast sample clean-up method using the selective SupelMIP SPE-Chloramphenicol cartridge followed by a highly sensitive LC-MS-MS method for the quantitative determination of Chloramphenicol. The method was developed and validated according to EU Council Directive 657/2002 EC.

"We are extremely pleased with the results of the proficiency test. This is yet again a demonstration of the high quality and reproducibility of SupelMIPs. Using SupelMIP SPE

leads to simple, fast, selective, sensitive and robust methods,” said Dr. Christine Widstrand, Chief Business Officer at MIP Technologies.

“The SupelMIP-SPE Chloramphenicol cartridge used for sample clean-up of Chloramphenicol from prawns in the FAPAS test has also been used for development of Chloramphenicol extraction from other matrices. Applications are available for extraction of Chloramphenicol from milk, honey, urine and plasma with low detection limits and clean extracts,” said, Dr. Anna-Karin Wihlborg and Dr. An Trinh, Product Managers at MIP Technologies and Supelco, respectively.

The SPE sorbents based on molecularly imprinted polymers are developed by MIP Technologies. SupelMIP™ is a trademark of Supelco (a division of the Sigma-Aldrich® Group), the worldwide product distributor.

About MIP Technologies:

MIP Technologies AB is a world-leading company in the development of molecularly imprinted polymers (MIPs). The Company is a pioneer in the commercial applications of MIPs, holds important patents and maintains cutting-edge research activities in this area. The Company's mission is to provide innovative products based on molecularly imprinted polymers and other novel polymers that serve industry's needs in analytical, preparative and process scale 'selective separations'. The Company has state-of-the-art pilot scale facilities and is well placed to develop large scale separation solutions for its customers. Currently, the Company develops analytical separation products (e.g. SPE) and has multiple custom process scale projects in place with several blue chip companies. MIP Technologies has its headquarters in Lund, Sweden. For more information about MIP Technologies AB visit www.miptechnologies.com

About Sigma-Aldrich:

Sigma-Aldrich is a leading **Life Science and High Technology company**. Its biochemical, analytical, and organic chemical products and kits are used in scientific and genomic research, biotechnology, pharmaceutical development, the diagnosis of disease and as key components in pharmaceutical and other high technology manufacturing. The Company has customers in life science companies, university and government institutions, hospitals, and in industry. Over one million scientists and technologists use its products. Sigma-Aldrich operates in 36 countries and has 8,000 employees providing excellent service worldwide. Sigma-Aldrich is committed to Accelerating Customer Success through Leadership in **Life Science, High Technology and Service**. For more information about Sigma-Aldrich, please visit its award-winning Web site at <http://sigma-aldrich.com>.

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