



ANALYSENZERTIFIKAT

Filopur AG
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Order No : 1409-00373
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Definition of task

Retention of pesticides on Filopur water filters (Type HU-ST; C1B). The water sample was worked up according to the SOP CP-160-001. The pesticides were determined by LC-MS/MS and GC-TOF/MS.

Study design

With pesticides spiked water was passed through the water filter. Two water samples were spiked with pesticides. The first sample with a concentration of 0.2 µg/kg and the second sample with 0.5 µg/kg.

Results

Samples	Concentration Pesticides [µg/kg]	Concentration Filtrate [µg/kg]	Retention capacity [%]
Water sample 1 spiked with pesticides*	0.2 µg/kg	not detectable**	99.9
Water sample 2 spiked with pesticides*	0.5 µg/kg	not detectable**	99.9

*ca. 500 Pesticides were tested

Maximum residue level [µg/kg]: 0.1

Matrix: drinking water

**Limit of Quantitation [µg/kg]: 0.025

Assessment basis: Verordnung des Eidgenössischen Departements des Innern (EDI) über Fremd- und Inhaltsstoffe in Lebensmitteln (FIV) (Stand 21. Oktober 2014) SR 817.021.23

Conclusions

The tested water filter has hold back all pesticides at concentrations of 0.2 µg /kg and 0.5 µg /kg. There were no pesticides detectable. The quantitation limit of the method was 0.025 µg /kg. The recovery rate of the methode was determined by spiking water samples. The average recoveries, measured at two concentration levels (0.2 µg/kg and 0.5 µg/kg) were in the range 70–110% for most of the compounds.

Belp, December 19, 2014



Legend: <: less than >: more than n.d.: not detectable, less than limit of detection LD: Limit of detection
DM: Dry Matter cfu: colony forming units A value after "<" is the LD of the corresponding method.

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The scope of the accreditation is described in the official directory of accredited laboratories (www.sas.ch). The results in this report relate only to the items tested. For conformity to the Swiss GMP Guideline, a quality agreement for contract laboratory work is necessary for each product. The method is continuously monitored by the Interlabor Quality Management Program. Further parameters and the uncertainty of the method are available upon request. Examinations marked with an asterisk (*) are not covered by the scope of the accreditation. This report may be forwarded only complete and unaltered

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