Proficiency Testing for Pesticides in accordance with the Drinking Water Ordinance

accredited acc. to EN ISO/IEC 17043
acc. to the Drinking Water Directive
incl. relevant and non-relevant metabolites

No. PM05

We offer

- Comprehensive quality assurance and permanent improvement guarantee the high quality of our PT scheme.
- Quick data evaluation. Our reports are clear and anonymous. All participants will receive written confirmation of their participation with z-scores.
- This PT round is based on two drinking water samples with different concentrations (Environment Agency Austria).
- Target values will be made available on www.ifatest.eu and https://www.umweltbundesamt.at/en/services/laboratory-services/interlaboratory-comparison/interlab-reports shortly after the closing date.
- All reports are freely accessible via internet.

The Instrument of External Quality Assurance in Water Analysis

- The IFA Proficiency Testing Scheme is operated in cooperation with Umweltbundesamt GmbH, Environment Agency Austria.
- To date more than 900 testing laboratories from 40 countries have participated in our interlaboratory comparisons.

Organisation
University of Natural Resources and Life Sciences, Vienna,
Department of Agrobiotechnology, IFA-Tulln,
Institute for Bioanalytics and Agro-Metabolomics,
Konrad-Lorenz-Str. 20, 3430 Tulln, Austria
in cooperation with
Umweltbundesamt GmbH,
Environment Agency Austria,
Spittelauer Lände 5, 1090 Vienna, Austria

Proficiency Test (PT) for Pesticides in Accordance with the Drinking Water Ordinance

acc. to the Drinking Water Directive incl. relevant and non-relevant metabolites – No. PM05

In addition to our ongoing interlaboratory comparison programme we offer the opportunity to subject your pesticide testing methods for drinking water to an external quality assurance (every two years).

The proficiency test covers all pesticides, relevant and non-relevant metabolites of the drinking water ordinance taking into account Codex chapter B1/drinking water.
Supplements to codex B1 are published by the Federal Ministry of Social Affairs, Health, Care and Consumer Protection based on the resolution of the commission to issue the Austrian Food Code (see BMSGPK 2021-0.549.058 from 04.08. 2021).

Pesticides and metabolites as stipulated in the drinking water ordinance are listed in tabular form in Codex Chapter B1/drinking water, Annex 9 of the Austrian Food Code. These are to be taken into account when establishing a monitoring programme as part of the self-monitoring.

By continuously updating and adapting Codex Chapter B1/drinking water a uniform approach regarding pesticide analysis including specification of relevant and non-relevant metabolites is ensured.

New active compounds introduced on the market as well as knowledge on behaviour and evaluation of pesticides and metabolites place high demands on the analysis of pesticides.
In order to take these developments into account, the analysis portfolio has to be continuously expanded.

By participating in the proficiency test, you can subject your methods to an external evaluation and draw conclusions about the quality of your methods in comparison with other laboratories.

Take the opportunity of external quality assurance, even if your current portfolio analysis does not yet include all pesticide metabolites.

The proficiency testing of pesticides and metabolites in drinking water samples allows a **comprehensive conclusion on measurement uncertainty**, in case of an adequate number of participants. The measurement uncertainty represents valuable information for analysts, consultants, and water suppliers.

For further questions please contact:
ringversuche@umweltbundesamt.at

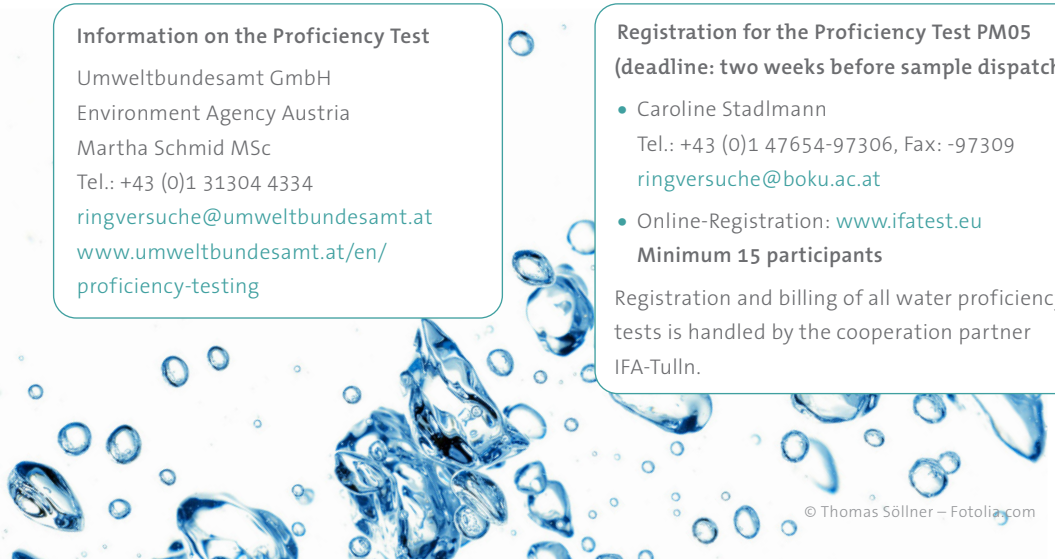
Information on the Proficiency Test

Umweltbundesamt GmbH
Environment Agency Austria
Martha Schmid MSc
Tel.: +43 (0)1 31304 4334
ringversuche@umweltbundesamt.at
www.umweltbundesamt.at/en/proficiency-testing

Registration for the Proficiency Test PM05 (deadline: two weeks before sample dispatch)

- Caroline Stadlmann
  Tel.: +43 (0)1 47654-97306, Fax: -97309
  ringversuche@boku.ac.at
- Online-Registration: www.ifatest.eu
  Minimum 15 participants

Registration and billing of all water proficiency tests is handled by the cooperation partner IFA-Tulln.



PM05 and option PM05-E

- Matrix: drinking water (spiked)
- Samples: 2 (spiked), each pesticide/metabolite is present in at least one sample (concentration: range 1/4 up to 10-fold of parameter value/ action value for metabolites acc. to codex B1)
- **Sample dispatch:** 03.09.2024
- **Closing date:** 08.10.2024 (5 weeks after sample dispatch)
- **Cost:** EUR 950,– for PM05 and EUR 140,- for option PM05-E (excl. shipping)

Parameters tested

Pesticides: 2,4-D, 2,4-DP, Alachlor, Aldrin, Atrazine, Azoxystrobin, Bentazone, Bromacil, Chloridazon, Clopyralid, Clothianidin, Dicamba, Dieldrin, Dimethachlor, Dimethenamid-P, Diuron, Ethofumesate, Flufenacet, Glufosinate, Glyphosate, Heptachlor, Heptachlorepoxide, Hexazinone, Imidacloprid, Iodosulfuron-methyl, Isoproturon, MCPA, MCPB, MCPP, Mesosulfuron-methyl, Metalaxyl-M, Metamitron, Metazachlor, Metolachlor, Metribuzin, Metsulfuron-methyl, Nicosulfuron, Pethoxamid, Propazine, Propiconazole, Simazine, Terbuthylazine, Thiacloprid, Thiamethoxam, Thifensulfuron-methyl, Tolylfluanid, Tribenuron-methyl, Triclopyr, Triflusulfuronmethyl, Tritosulfuron

Relevant metabolites: 2-Amino-4-methoxy-6-methyl-1,3,5-triazine, 3,5,6-Trichloro-2-pyridinol, Atrazine-desethyl-desisopropyl, Atrazine-desethyl, Atrazine-desisopropyl, Dimethachlor Metabolite CGA 369873, Dimethachlor Metabolite CGA 373464 (acetic acid methyl ester), Dimethachlor Metabolite CGA 373464 (free acid), Dimethachlor oxalamic acid (CGA 50266), Dimethachlor ethane sulfonic acid (CGA 354742), Isoproturon-desmethyl, Propazine-2-hydroxy, Terbuthylazine-2-hydroxy, Terbuthylazine-2-hydroxy-desethyl, Terbuthylazine-desethyl

Non-relevant metabolites:
2,6-Dichlorobenzamide, Alachlor-t-acid, Alachlor-t-sulfonic acid, AMPA, Atrazine-2-hydroxy, Azoxystrobin-O-demethyl (CyPM), Chloridazon-desphenyl, Chloridazon-methyl-desphenyl, Chlorothalonil-sulphonic acid (R417888), 3-carbamyl-2,4,5-trichlorobenzoic acid (R611965), *R471811, Dimethenamid-P-acid, Dimethenamid-P-sulfonic acid, Flufenacet oxanilic acid, Flufenacet sulfonic acid, Metazachlor oxanilic acid, Metazachlor ethane sulfonic acid, Metribuzin-Desamino, N,N-Dimethylsulfamide (DMS), s-Metolachlor Metabolite CGA 368208, s-Metolachlor Metabolite NOA 413173, s-Metolachlor oxanilic acid, s-Metolachlor ethanesulfonic acid

***Option PM05-E:** *Ethidimuron, *Quinmerac, *Bromoxynil, *Flazasulfuron , *Chlorothalonil metabolite SYN 507900, *Nicosulfuron metabolite UCSN, *Terbuthylazine metabolites: SYN 546009 (LM3), CGA 324007 (LM5), SYN 545666 (LM6);*Desaminometamitron, *Metazachlor metabolite BH 479-9

*additional substances, not accredited

Bottles and volume per sample:

Number/volume: optional
2 x 1,000 ml (Al) and 1 x 1,000 ml (pl.) or
4 x 1,000 ml (Al) and 2 x 1,000 ml (pl.) per sample
Vessel: Aluminium (Al) or plastic (pl.) container for AMPA, Glufosinate, Glyphosate
Stabilisation: no
Refrigeration: yes
Suggested time frame for the analysis: T_0 + 8 (within 8 days after sample dispatch)