

## Announcement for Inter-laboratory Comparison on Iron and Fluoride in Water 2021

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### Introduction

We hereby announce the 3<sup>rd</sup> Inter-laboratory Comparison on Water Quality Analysis, which is focused on the Proficiency Testing of Iron and Fluoride in Water. This activity is open to academic, regulatory as well as commercial laboratories world-wide, especially those from developing and emerging countries. The organizer of this project is CAS-TWAS Centre of Excellence for Water and Environment (CAS-TWAS CEWE) and Water Quality Analysis Laboratory, which both are established at the Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences (CAS). This project is supported by Certification and Accreditation Administration of People's Republic of China (CNCA) and Alliance of International Science Organizations (ANSO).

A draft report will be available at the end of March 2022, and the final report will be available to the participants by April 2022. All the participants who have contributed to the results will receive a certificate of participation in the activity.

### Participants

We encourage all laboratories working in this field to participate and assess their analytical performance. To do this, participants are requested to completely fill out the Registration Form and mark the desired items that you intend to determine.

### Test Samples

The test samples for Iron are in concentrations of 0.30-1.0 mg/L with 2% nitric acid as matrix.

The test samples for Fluoride are in concentrations of 1.0-2.0 mg/L with H<sub>2</sub>O as matrix.

The samples will be distributed by an international courier service to the participating laboratories.

### Please Note:

**In order to avoid delay or retention of the samples at customs, please inform us if there are import restrictions in your country for any of the samples.**

### Instructions for analysis and reporting

Further detailed instructions and reporting forms will be sent by e-mail simultaneously with the dispatch of the samples in September 2021.

In short, the participating laboratories should:

- use your own standard operation procedures for pre-treatment and instrumental determination
- use your own reference standards for identification and quantification

- report one single concentration for each testing sample in each water matrix
- report limits of determination for all measured analytes

### Time Schedule

Announcement	July 20th, 2021
Return of registration form	August 30th, 2021
Shipment of test material	September, 2021
Confirmation of receipt of test material by participant	Within 7 days after receipt
<b><i>Reporting of test results</i></b>	<b><i>Within 30 days after receipt</i></b>
Publication of draft report on web-site	March 2022
Final report available to all participants	April 2022

### Participation Fee

The participation fee for any combination of the analytes in one item **is free**.

As the inclusion of the matrix is new this year, all recipients of this invitation are encouraged to spread the words to possibly interested laboratories!

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