



Summary report

NRL Training on the new Guidance on Measurement Uncertainty for GMO Testing Laboratories

Virtual training

12 & 19 November 2020

**The European Commission's
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NRL Training on the new Guidance on Measurement Uncertainty for GMO Testing Laboratories

Agenda

Part 1: 12 November 2020 @ 14:00-16:30h

1. Introduction
2. The 3rd edition of the *Guidance document on Measurement Uncertainty for GMO Testing Laboratories*
3. Approaches for MU estimation
4. How good is my uncertainty estimation?
5. Presentation of the exercises in MU estimation
6. Q & A

Part 2: 19 November 2020 @ 14:00-15:45h

1. The step-by-step solutions to the exercises
2. Q & A

NRL Training on the new Guidance on Measurement Uncertainty for GMO Testing Laboratories

Summary

The EURL GMFF organised a virtual training for NRLs on the estimation of measurement uncertainties for analytical results. The aim was to present the new edition of the MU guidance recently released and have the various approaches explained and practiced by the participants.

A total 56 NRL representatives from 24 EU Member States participated to the virtual event (using Webex), which was split over two sessions. The training was provided by JRC colleagues from Geel (F.5 and F.6) and Ispra.

During the first session (on 12 November 2020) an overview of the 3rd Guidance on MU for GMO testing laboratories was given. The presentation explained to what extent this new edition differed from previous editions of this guidance. The new approaches presented are built on the situation in GMO testing that validated methods and CRMs are available and that the laboratories are obliged to work under ISO 17025 accreditation. Under these conditions a bottom-down approach is more appropriate for the estimation of the MU.

In the second presentation the three different approaches for MU estimation were explained in detail: 1. Starting from measurement data obtained on routine samples, 2. Using the data from the in-house verification of the method, and 3. Using a fixed (overestimated) percentage of the measurement result obtained.

The third presentation showed the importance of participation to the EURL GMFF proficiency tests as a way for the laboratory to verify if the estimated MU is realistic.

Then two exercises were presented to the participants, corresponding to approach 1 and 2 explained before. The participants were asked to solve the exercises during the coming week.

A question and answer session concluded the first training session.

In session 2 of the training on 19 November 2020 the step-by-step solutions to both exercises were given. These were discussed with the participants and their feedback was requested.



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