

Terms of the proficiency test (PT)

DLA 49/2019 – Heavy Metals and Trace Elements in plant food, approx. 20 Elements

Test material* :

There are **two identical samples** with the parameter **Al, B, Ba, Ca, Cu, Fe, I, K, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, Se, Sn, U and Zn** with possibly low natural contents to be determined (except Sn and U: spiked). The **matrix is moringa powder**.

Sample weight: 2 Samples 8 g each.

* **Note:** Control of mixture homogeneity and qualitative testings are carried out by DLA. Any testing of the content, homogeneity and stability of PT parameters is subcontracted by DLA.

Methods + realisation time:

Analytical methods for quantitative determinations are optional.

There is a 6 weeks period for performing the analysis. The results are transmitted by e-mail via the provided results file.

Evaluation report:

The **evaluation** is carried out from a total of 7 results on **quantitatively**. It includes kernel density estimation, outlier tests, robust mean, robust standard deviation and z-scores. The assigned value is the robust mean of participants results. Results, limits of detection and/or quantification and remarks to the methods will be documented. DLA intends to finish the evaluation report within 6 weeks after deadline of results submission.

Each participant receives an anonymized, complete evaluation report as a PDF-file, identifying the own results by individual code in case payment was done.

Registration :

The reliable order can be sent to DLA or our authorized sales partner.

Further information and an online registration form can be found at www.dla-lvu.de.

Registration deadline is **03rd April 2019**.

Shipment + number of participants:

Required minimum number of participants is 10.

The samples will be sent to participants in the **week 15** by parcel service with tracking (delivery time 2-5 days within Europe, 2-10 days worldwide).

Deadline of result submission:

Last date for submission of results **24th May 2019**.

Invoice + price :

Invoicing will be done by DLA along with the sample shipment or by our authorized partner in parallel to the sample shipment.

The price of the proficiency test is 366,-- € per participant plus shipping and possible tax.

Please note: there can be a handling charge for delivery in non-EU countries. Our authorized partner will inform you.

Shipping costs: within Germany € 12,50, EU-countries and Europe € 20,00, outside Europe € 28,00.

Our General Terms and Conditions GTC apply: www.dla-lvu.de/AGB.html