

Terms of the proficiency test (PT)

## **DLA ptCM06 (2020) - Tattoo Product: Analysis of 13 Elements in Tattoo Dyes (As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Zn)**

### **Test material\* :**

There are **two identical samples** with the parameters **As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn and Zn** to be determined. The matrix is **Tattoo Dyes** .

**Sample weight:** 2 Samples 5 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 8 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 and can object in writing to the evaluation within 6 weeks.

### **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](http://www.dla-lvu.de).

Registration deadline is **09<sup>th</sup> September 2020**.

### **Shipment + number of participants:**

Required minimum number of participants is 10.

The samples will be sent to participants in the **week 38** 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 **13<sup>th</sup> November 2020**.

### **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 320,-- € per participant plus shipping and possible tax.

Costs for **double sample material** € 85,00.

Please note: there can be a handling charge of approx. € 30,00 for payments from non-EU countries.

**Shipping costs:** within Germany € 12,50, EU-countries and Europe € 20,00, North America € 28,00, other countries € 80,00 (e.g. South America, Asia).

Our General Terms and Conditions GTC apply: [www.dla-lvu.de/AGB.html](http://www.dla-lvu.de/AGB.html)

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