

Datum / Date: 28. May. 2024

Dear participants,

Please find enclosed the material for the proficiency test (PT):

DLA ptCM05 (2024) - Tattoo Product: Analysis of 13 Elements in Tattoo Dyes (As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Zn)

There are two identical samples with the parameters **As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn** and **Zn** in the matrix of **Tattoo Dyes**. The analysis method is optional.

Note: Please store samples at 2 - 10°C on arrival!

Please note the attached information on the proficiency test.

New: Please enter your final results online in our PT customer portal **my DLA | participant's portal**. You will receive further information on this by e-mail, in particular about access to the portal.

Last deadline is July 12th 2024.
After the deadline no results can be accepted.

We are looking forward to any suggestions or questions! We wish you a successful performance of the proficiency test!

Kind regards,

Matthias Besler-Scharf & Alexandra Scharf

On behalf of the DLA-Team

Information on the Proficiency Test (PT)

PT number	DLA ptCM05 (2024)
PT name	Tattoo Product: Analysis of 13 Elements in Tattoo Dyes (As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Zn)
Sample matrix*	Sample I and II: Tattoo Product (red) / ingredients: glycerin, distilled water, CI 12477 / 11740 / 211, Isopropanol, TEC, Sulfuric Acid, Hydrochloric Acid
Number of samples and sample amount	2 identical samples I + II, 5 g each.
Storage	Samples I + II: cooled 2 - 10°C (PT period)
Intentional use	Laboratory use only (quality control samples)
Parameter	quantitative: As, Ba, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Zn
Methods of analysis	Analytical methods are optional
Notes to analysis	The analysis of PT samples should be performed like a routine laboratory analysis. In general we recommend to homogenize a representative sample amount before analysis according to good laboratory practice, especially in case of low sample weights.
Result table	The results for sample I and II as well as the final results calculated as mean of the double determination (samples I and II) should be filled in the result entry table. The recovery rates, if carried out, have to be included in the calculation.
Units	mg/kg
Number of significant digits	at least 2
Further information	For information please specify: <ul style="list-style-type: none"> - Date of analysis - DLA-sample-numbers (for sample I and II) - Limit of detection - Assignment incl. Recovery - Recovery with the same matrix - Method is accredited
Result submission	online via my DLA participant's portal (https://my.dla-pt.com) you will receive further information about the access by e-mail
Last Deadline	the latest July 12th 2024
Evaluation report	The evaluation report is expected to be completed 6 weeks after deadline of result submission and sent as PDF file by e-mail.
Coordinator and contact person of PT	Alexandra Scharf, PhD

* 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.