Survey of Scientific Literature
Trace Elements in Food: Honey

This list has been drafted for the EURL-CEFAO own scopes and it is not to be considered exhaustive. The listing does not imply any endorsement by the EURL or in any way mean a negative judgment, in case some articles are missing.

1. Recent achievements in element analysis of bee honeys by atomic and mass spectrometry methods
   P. Pohl, A. Bielawska-Pohl, A. Dzimitrowicz, P. Jamroz, M. Welna, A. Lesniewicz, A. Szymczycha-Madeja
   *Trends in Analytical Chemistry, 2017, 93: 67-77*

2. Evaluation of matrix effect on the determination of rare earth elements and As, Bi, Cd, Pb, Se and In in honey and pollen of native Brazilian bees (Tetragonisca angustula – Jataí) by Q-ICP-MS
   F. Ataide de Oliveira, A. Trópia de Abreua, N. de Oliveira Nascimento, R. E. Santos Froes-Silvac, Y. Antoninib, H. Arias Nalini Jr., J. Carvalho de Lenaa
   *Talanta, 2017, 162: 488–494*

3. Exploiting aerosol dilution for the determination of ultra-trace elements in honey by collision/reaction cell inductively coupled plasma mass spectrometry (CRC-ICP-MS) without thermal digestion
   S. Döker
   *Analytical Methods 2017, 9: 1710-1717*

4. Analyses of Mineral Content and Heavy Metal of Honey Samples from South and East Region of Turkey by Using ICP-MS
   *International Journal of Analytical Chemistry 2017; 2017: article ID 6391454*
5. Essential and toxic element concentrations in monofloral honeys from southern Croatia
   N. Bilandzic´, I. Tlak Gajger, M. Kosanovic´, B. Cˇ alopek, M. Sedak, B. Solomun
   Kolanovic´, I. Varenina, D. Bozˇic´ Luburic´, I. Varga, M.Ðokic´
   Food Chemistry 2017, 234: 245–253

6. Determination of Br, Cl and I in honey using ICP based techniques following microwave-assisted wet digestion with alkaline H2O2 in a single reaction chamber
   E. I. Muller, J. P. Souza
   Analytical Methods 2017, 649–654

7. Isotopic and elemental composition of selected types of Italian honey
   L. Bontempo, F. Camin, L. Ziller, M. Perini, G. Nicolini, R. Larcher
   Measurement 2016, 98: 283-289

   Comprehensive Reviews in Food Science and Food Safety 2016, Vol. 15: 219-233

9. Multi-Element Composition of Honey as a Suitable Tool for Its Authenticity Analysis
   M. Oroian, S. Amariei, A. Leahu, G. Gutt
   Polish Journal of Food and Nutrition Sciences 2015, Vol. 65, No. 2: 93–100

10. Dispersive liquid–liquid microextraction: An efficient approach for the extraction of Cd and Pb from honey and determination by flame atomic absorption spectrometry
    Microchemical Journal 2015, 123:211–217
11. Heavy Metal Contents and Physical Parameters of Aegiceras corniculatum, Brassica juncea, and Litchi chinensis Honeys from Bangladesh
N. Sarker, M. A. Chowdhury, A. N. Fakhruddin, Z. Fardous, M. Moniruzzaman, S. H Gan.

12. The Levels of Trace Elements in Honey and Molasses Samples That Were Determined by ICP-OES After Microwave Digestion Method
H. Altundag, E. Bina, E. Altıntığ
*Biological Trace Element Research* **2016**, 170: 508-514

13. Essential and toxic elements in honeys from a region of central Italy
M. A. Meli, D. Desideri, C. Roselli, C. Benedetti, L. Feduzi

14. Classification of Chinese Honeys According to Their Floral Origins Using Elemental and Stable Isotopic Compositions
Z. Wu, L. Chen, L. Wu, X. Xue, J. Zhao, Y. Li, Z. Ye, G. Lin

15. Determination of essential and toxic elements in Hungarian honeys
N. Czipa, D. Andrási, B. Kovács
*Food Chemistry* **2015**, 175: 536-42

16. Multi-element determination in Brazilian honey samples by inductively coupled plasma mass spectrometry and estimation of geographic origin with data mining techniques
B. L. Batista, L. R. S. da Silva, B. A. Rocha, J. L. Rodrigues, A. A. Berretta-Silva, T. O. Bonates, V. S. D. Gomes, R. M. Barbosa, F. Barbosa
17. Analysis of trace elements in multifloral Argentine honeys and their classification according to provenance
R. G. Pellerano, M. A. Uñates, M. A. Cantarelli, J. M. Camiña, E. J. Marchevsky
*Food Chemistry* 2012, 134: 578–582

18. Method validation for determination of 13 elements in honey samples by ICP-MS
M. Chudzinska, A. Debska, D. Baralkiewicz
*Accreditation and Quality Assurance* 2012, 17:65–73

19. Determination of trace elements in Croatian floral honey originating from different regions
*Food Chemistry* 2011, 128:1160–1164

20. Minor and trace elements in different honey types produced in Siena County (Italy)
A. Pisani, G. Protano, F. Riccobono

21. Trace element levels in honeys from different regions of Turkey
M. Tuzen, S. Silici, D. Mendil, M. Soylak
*Food Chemistry* 2007, 103: 325–330

22. Study on the simultaneous determination of some essential and toxic trace elements in honey by multi-element graphite furnace atomic absorption spectrometry
Z. Ajtony, L. Bencs, R. Haraszi, J. Szigeti, N. Szoboszlai
*Talanta* 2007, 71: 683–690

23. Determination of Cd and Pb in Honey by SF-ICP-MS: validation figures and uncertainty of results
C. Frazzoli, S. D'Ilio, B. Bocca
24. A pilot study for the production of a certified reference material for trace elements in honey

25. Determination of essential and potentially toxic trace elements in honey by inductively coupled plasma-based techniques
   S. Caroli, G. Forte, A.L. Iamiceli, B. Galoppi

26. Direct Determination of Lead, Cadmium, Zinc, and Copper in honey by electrothermal atomic absorption spectrometry using hydrogen peroxide as a matrix modifier
   P. Vinnas, I. López-Garcia, M. Lanzón, M. Hernández-Córdoba