Survey of Scientific Literature
Trace Elements in Food: Meat and Offal

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. Essential and toxic trace element concentrations in different commercial veal cuts in Spain
   M. López-Alonso, M. Miranda, J. L. Benedito, V. Pereira, M. García-Vaquero
   *Meat Science* 2016, 121: 47–52

2. Evaluated the Twenty-Six Elements in the Pectoral Muscle of As-Treated Chicken by Inductively Coupled Plasma Mass Spectrometry
   B. Sun & M. Xing

3. A fast alkaline treatment for cadmium determination in meat samples
   T. S. C. P. Aranha, A. Oliveira, H. M. Queiroz, S. Cadore
   *Food Control* 2016, 59: 447e453

4. Determination of some metal ions in various meat and baby food samples by atomic spectrometry
   T. Dasbas, S. Saçmac, A. Ülgen, S. Kartal
   *Food Chemistry* 2016, 197: 107–113

5. Cd and Pb in animal tissue (muscle, liver and kidney), milk and dairy products in Korea.
   D. G. Kim, M. Kim , J. Shin, S.W. Son

6. Concentration of cadmium in meat and selected meats products
   A. Lukáčová, L. Lopašovský, Z. Kňažická, J. Golian
   *J Microbiol Biotech Food Sci* 2015, 4 (special issue 3): 102-105

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7. The content of selected metals in muscles of the red deer (Cervus elaphus) from Poland
   M. Skibniewski, E. M. Skibniewska, T. Kośla
   Environ Sci Pollut Res Int. 2015, 22: 8425-31

8. Development and validation of single particle ICP-MS for sizing and quantitative determination of nano-silver in chicken meat
   R. J. Peters, Z. H. Rivera, G. van Bemmel, H. J. Marvin, S. Weigel, H. Bouwmeester
   Anal Bioanal Chem. 2014, 406: 3875-85

9. Non-essential and essential trace element concentrations in meat from cattle reared under organic, intensive or conventional production systems
   Food Additives and Contaminants 2010, 70: 36-42

10. Total mercury determination in different tissues of broiler chicken by using cloud point extraction and cold vapor atomic absorption spectrometry
    Food and Chemical Toxicology 2010, 48: 65–69

11. Variability of selected trace elements of different meat cuts determined by ICP-MS and DRC-ICPMS
    Animal 2009, 3: 166-172

12. Accumulation of trace elements in cattle from rural and industrial areas in Belgium
    N. Waegeneers, J. C. Pizzolon, M. Hoenig, L. De Temmerman
    Food Additives and Contaminants 2009, 26: 326-332
13. Levels of As, Cd, Pb, Cu, Se and Zn in bovine kidneys and livers in Jamaica
   J. Nriagu, M. Boughanen, A. Linder, A. Howe, C. Grant, R. Rattray, M. Vutchkov, G. Lalor
   *Ecotoxicology and Environmental Safety* **2009**, 72: 564-571

14. Variability of selected trace elements of different meat cuts determined by ICP-MS and DRC-ICPMS

15. Comparative study of trace elements in certain fish, meat and meat products
   D. Demirezen, K. Uruc

16. Aspects of meat quality: trace elements and B vitamins in raw and cooked meats
   G. Lombardi-Boccia, S. Lanzi, A. Aguzzi

17. Feeding and meet quality - a future approach
   H. J. Andersen, N. Oksbjerg, J. F. Young, M. Therkildsen

18. Validation of mineralisation procedures for the determination of selenium, zinc, iron and copper in chicken meat and feed samples by ICP-AES and ICP-MS
   R. Bou, F. Guardiola, A. Padró, E. Pelfort, R. Codony

19. Interactions between toxic (As, Cd, Hg and Pb) and nutritional essential (Ca, Co, Cr, Cu, Fe, Mn, Mo, Ni, Se, Zn) elements in the tissues of cattle from NW Spain
   M. López Alonso, F. P. Montaña, M. Miranda, C. Castillo, J. Hernández, J. L. Benedito

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20. Contribution of cattle products to dietary intake of trace and toxic elements in Galicia, Spain

21. Interactions between toxic and essential trace metals in cattle from a region with low levels of pollution
   *Archives of environmental contamination and toxicology* **2002**, 42: 165-172

22. Heavy metal contents in Egyptian meat and the role of detergent washing on their levels
   A. A. K. Abou-Arab
   *Food and Chemical Toxicology* **2001**, 39: 593-599

23. Cadmium levels in liver, kidney and meat in calves from Asturias (North Spain)
   M. Miranda, M. Lopez Alonso, C. Castillo, J. Hernández, J. L. Benedito
   *European Food Research and Technology* **2001**, 212: 426-430

24. Cadmium in Organic and Conventional Pig Production
   A. Lindén, K. Andersson, A. Oskarsson
   *Archives of environmental contamination and toxicology* **2001**, 40: 425-431

25. Toxic and trace elements in liver, kidney and meat from cattle slaughtered in Galicia (NW Spain)
   M. Lopez Alonso, J. L. Benedito, M. Miranda, C. Castillo, J. Hernández, R. F. Shore

26. Content of some Trace Elements and Minerals in the Italian Total-diet
   G. Lombardi-Boccia, A. Aguzzi, M. Cappelloni, G. Di Lullo
   *Journal of Food Composition and Analysis* **2000**, 13: 525-527
27. Arsenic, cadmium, lead, copper and zinc in cattle from Galicia, NW Spain  
   M. López Alonso, J. L. Benedito, M. Miranda, C. Castillo, J. Hernández, R. F. Shore  

28. Proximate and heavy metal composition in chicken meat and tissues  
   A. Demirbas  

29. Heavy metal contents of livestock feeds and animal manures in England and Wales  
   F. A. Nicholson, B. J. Chambers, J. R. Williams, R. J. Unwin  
   *Bioresource Technology* **1999**, 70: 23-31

30. Cadmium and lead in pork and duck liver pastes produced in Spain  
   S. Sola, T. Barrio, A. Martin  

31. Variability of Selected Vitamins and Trace Elements of Different Meat Cuts  
   M. Leonhardt, C. Wenk  

32. Lead and cadmium concentrations in meat, liver and kidney of Slovenian cattle and pigs from 1989 to 1993  
   D. Z. Doganoc  

33. Lead, cadmium, arsenic and mercury in meat, liver and kidney of Swedish pigs and cattle in 1984-88  
   L. Jorhem, S. Slorach, B. Sundström, B. Ohlin  
   *Food Additives and Contaminants* **1991**, 8: 201-212
34. Dietary intake, levels in food and estimated intake of lead, cadmium, and mercury
   H. Galal-Gorchev

35. Manganese, copper, zinc, iron, cadmium, mercury and lead in muscle meat, liver and kidneys of poultry, rabbit and sheep slaughtered in the northern part of Poland, 1987
   J. Falandysz