Survey of Scientific Literature
Trace Elements in Food: ICP-MS

This list has been drafted for EU-RL CEFAO scope and is not to be considered exhaustive. The listing does not imply any endorsement by the EU-RL or in any way mean a negative judgement, in case some article is missing.

MEAT

1. Comparative study of trace elements in certain fish, meat and meat products
Dilek Demirezen and Kadiriye Uruç

2. Toxic and essential trace elements in meat - a review
J.J.Doyle and J.E.Spaulding
Journal of Animal Science 1978, 47: 398-419

3. Variability of selected trace elements of different meat cuts determined by ICP-MS and DRC-ICPMS
N.Gerber, R.Brogioli, B.Hattendorf, M.R.L.Scheeder, C.Wenk, and D.Günther
Animal 2009, 3: 166-172

4. 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

5. 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, and R.F.Shore
Food Additives and Contaminants 2000, 17: 447-457

6. Accumulation of trace elements in cattle from rural and industrial areas in Belgium
N.Waegeneers, J.-C.Pizzolon, M.Hoenig, and L.De Temmerman
Food Additives and Contaminants 2009, 26: 326-332

7. Lead and cadmium concentrations in meat, liver and kidney of Slovenian cattle and pigs from 1989 to 1993
Darinka Z.Doganoc
8. Contribution of cattle products to dietary intake of trace and toxic elements in Galicia, Spain
Food Additives and Contaminants 2002, 19: 533-541

9. Cadmium and lead in pork and duck liver pastes produced in Spain
S.Sola, T. Barrio and A. Martin
Food Additives and Contaminants 1998, 15: 580-584

10. 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

11. Proximate and heavy metal composition in chicken meat and tissues
Ayhan Demirbas
Food Chemistry 1999, 67: 27-31

12. Variability of Selected Vitamins and Trace Elements of Different Meat Cuts
Monika Leonhardt and Caspar Wenk
Journal of Food Composition and Analysis 1997, 10: 218-224

13. Aspects of meat quality: trace elements and B vitamins in raw and cooked meats
Ginevra Lombardi-Boccia, Sabina Lanzi, and Altero Aguzzi
Journal of Food Composition and Analysis 2005, 18: 39-46

14. Feeding and meet quality - a future approach
Henrik J. Andersen, Niels Oksbjerg Jette F. Young Margrethe Therkildsen
Meat Science 2005, 70: 543-554

15. Cadmium in Organic and Conventional Pig Production
A. Lindén, K. Andersson, and A. Oskarsson
Archives of environmental contamination and toxicology 2001, 40: 425-431
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16. Lead, cadmium, arsenic and mercury in meat, liver and kidney of Swedish pigs and cattle in 1984-88
L.Jorhem, S. Slorach B. Sundström and B. Ohlin
*Food Additives and Contaminants* **1991**, 8: 201-212

17. 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

18. Cadmium levels in liver, kidney and meat in calves from Asturias (North Spain)
Marta Miranda, Marta Lopez Alonso, Cristina Castillo, Joaquín Hernández, and José Luis Benedito
*European Food Research and Technology* **2001**, 212: 426-430

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

20. Dietary intake, levels in food and estimated intake of lead, cadmium, and mercury
H.Galal-Gorchev

21. 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

22. Content of some Trace Elements and Minerals in the Italian Total-diet
G.Lombardi-Boccia, A.Aguzzi, M.Cappelloni, and G.Di Lullo
*Journal of Food Composition and Analysis* **2000**, 13: 525-527
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23. Development and validation of a method for Cd, Pb and As analysis in bovine, equine and poultry liver by inductively coupled plasma mass spectrometry
P.C.P. Lara, H.J.F. Fabrino, A. Germano and J.B.B. Da Silva
Food Additives and Contaminants 2012, 29: 609-616

24. Simultaneous analysis of 21 elements in foodstuffs by ICP-MS after closed-vessel microwave digestion: Method validation
S. Millour, L. Noël, Ali Kadar, R. Chekri, C. Vastel and T. Guérin
Journal of Food Composition and Analysis 2011, 24: 111–120

25. Minerals and trace elements in Icelandic dairy products and meat
O. Reykdala, S. Rabieha, L. Steingrimsdottirb and H. Gunnlaugsdottira
Journal of Food Composition and Analysis 2011, 24: 980–986

26. Evaluation of the concentration of nonessential and essential elements in chicken, pork, and beef samples produced in Brazil
B. L. Batista, D. Grotto, M. F. Hornos Carneiro, F. Barbosa

27. Trace mineral status and toxic metal accumulation in extensive and intensive pigs in NW Spain
M. López-Alonsoa, M. García-Vaqueroa, J.L. Beneditoa, C. Castilloa and M. Mirandab
Livestock Science 2012, 146, Issue 1: 47–53

28. 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. Padrò, E. Pelfort, and R. Codony