

Bibliography of analytical, nutritional and clinical methods

(11 weeks journals - Search completed at 21st Jan 1998)

1 BOOKS, REVIEWS & SYMPOSIA

- Cereal Res Commun* 1997 **25** (3 Pt 1)
Proceedings of the Vth European *Fusarium* Seminar: Szeged, Hungary August 29-September 5, 1997 - Part 1 - Satellite Workshop on Molecular and Biochemical Characterization of Toxicogenic Fungi (Includes papers on mycotoxin analysis)
- Givens DI, De Boever JL, Deaville ER// Agr Dev & Advisory Serv, Ctr Dairy Res, Alcester Rd, Stratford upon Avon CV37 9RQ, England
Nutr Res Rev 1997 **10** 83
The principles, practices and some future applications of near infrared spectroscopy for predicting the nutritive value of foods for animals and humans
- Jie MSFLK, Mustafa J// Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong, Peoples Rep China
Lipids 1997 **32** (10) 1019
High-resolution nuclear magnetic resonance spectroscopy: Applications to fatty acids and triacylglycerols (Review)
- Lehotay SJ// USDA/ARS, Beltsville Agr Res Ctr West, 10300 Baltimore Ave, Beltsville, Md 20705, USA
J Chromatogr A 1997 **785** (1-2) 289
Supercritical fluid extraction of pesticides in foods - Review
- Plaami S// Agr Res Ctr, Food Chem Lab, FIN-31600 Jokioinen, Finland
Food Sci Technol-Lebensm Wiss 1997 **30** (7) 633
Myoinositol phosphates: Analysis, content in foods and effects in nutrition (Review)
- Romero IMV, Sans RG, Chozas MG// Univ Sevilla, Dept Bioquim Bromatol & Toxicol, Garcia Gonzalez s/n, ES-41012 Seville, Spain
Grasas Aceites 1997 **48** (2) 96
Use of the 2-thiobarbituric acid (TBA) test for evaluation of the autoxidative process in foods (Review) (Spanish, English Abstract)
- Scotter CNG// Campden & Chorleywood Food Res Assoc, Chipping Campden GL55 6LD, Glos, England
Trends Food Sci Technol 1997 **8** (9) 285
Non-destructive spectroscopic techniques for the measurement of food quality (Review)
- Spitzer V// Avda Palmeira 812, AP 302, BR-90470-300 Porto Alegre, RS, Brazil
Prog Lipid Res 1996 **35** (4) 387
Structure analysis of fatty acids by gas chromatography/low resolution electron impact mass spectrometry of their 4,4-dimethylloxazoline derivatives: A review
- Valcarcel M, Tena MT// Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain
Fresenius J Anal Chem 1997 **358** (5) 561
Applications of supercritical fluid extraction in blood analysis (Review)
- Van Breemen RB// Univ Illinois, Dept Med Chem & Pharmacognosy, 833 Sth Wood St, Chicago, Il 60612, USA
Pure Appl Chem 1997 **69** (10) 2061
Liquid chromatography/mass spectrometry of carotenoids

2 GENERAL

- Amado R, Manzardo G, Escher F// ETH Zentrum, Food Chem & Technol Lab, CH-8092 Zurich, Switzerland
Chimia 1997 **51** (10) 680
Analytical chemistry in food science
- Fay LB, Horman I// Nestec Ltd, Vers Chez les Blanc, POB 44, CH-1000 Lausanne, Switzerland
Chimia 1997 **51** (10) 714
Analytical chemistry in industrial food research
- Kantt CA, Webb AG, Litchfield JB// *Univ Illinois, Dept Agr Engn, 1304 West Penn Ave, Urbana, Il 61801, USA

- J Food Sci* 1997 **62** (5) 1011
Temperature measurement of foods using chemical shift magnetic resonance imaging as compared with T_1 -weighted temperature mapping
- Schmitter BM, Rihs T*// *Eidgenoss Forsch Anstalt Nutztiere, CH-1725 Posieux, Switzerland
Chimia 1997 **51** (10) 777
Feedstuffs analysis at the Swiss Federal Research Station for Animal Production (RAP), Posieux (German, English Abstract)
- Thomas DG, Mark SD// NCI, EPN 403, Bethesda, Md 20892, USA
Comput Method Program Biomed 1997 **54** (3) 151
Max r: An optimal method for the selection of subsets of foods for the measurement of specific nutrient exposures
- Walker AF// Univ Reading, Dept Food Sci & Technol, Reading RG6 2AP, England
Brit J Nutr 1997 **78** (Suppl 2) S73
From the composition of foods using chemical analysis ... to micronutrients and beyond

3 AMINO ACIDS, PROTEINS & ENZYMES

- Anguita G, Martin R, Garcia T, Morales P, Haza AI, Gonzalez I, Sanz B, Hernandez PE// Univ Complutense, Dept Nutr & Bromatol III, E-28040 Madrid, Spain
Milchwissenschaft 1997 **52** (9) 511
Detection of bovine casein in ovine cheese using digoxigenated monoclonal antibodies and a sandwich ELISA
- Bakillah A, Zhou ZY, Luchoomun J, Hussain MM*// *Allegheny Univ Hlth Sci, Dept Pathol, 2900 Queen Lane, Philadelphia, Pa 19129, USA
Lipids 1997 **32** (10) 1113
Measurement of apolipoprotein B in various cell lines: Correlation between intracellular levels and rates of secretion
- Bean SR, Lookhart GL// Kansas State Univ, Dept Grain Sci & Ind, Manhattan, Ks 66506, USA
Cereal Chem 1997 **74** (6) 758
Separation of wheat proteins by two-dimensional reversed-phase high-performance liquid chromatography plus free zone capillary electrophoresis
- Bech-Andersen S// Moseager 10, DK-3230 Graested, Denmark
Agri Biol Res 1997 **50** (2) 123
Determination of lysine, methionine and threonine in premixes with high contents of metal salts
- Belton PS, Bogracheva T, Cserhalmi Z, Czukur B, Grant A, Lambert N, Wellner N// AFRC Inst Food Res, Norwich Res Pk, Norwich NR4 7UA, England
Food Hydrocolloid 1997 **11** (4) 485
NMR and FTIR studies of hydrated pea proteins
- Chiari M, Gelain A, Riva S, Tura D// CNR, Ist Chim Ormoni, via Mario Bianco 9, IT-20131 Milan, Italy
Electrophoresis 1997 **18** (11) 2050
Analysis of mandelonitrile lyase and β -glucosidase from sweet almonds by combined electrophoretic techniques
- Cuilliere ML, Mole C, Montagne P*, Bene MC, Faure G// *Fac Med, Lab Immunol, GRIP, BP 184, F-54505 Vandoeuvre les Nancy, France
Food Agric Immunol 1997 **9** (3) 185
Measurement of β -casein in human milk by microparticle-enhanced nephelometric immunoassay
- De Llano DG, Santa-Maria G// CSIC, Ctr Nacl Biotecnol, Carr Colmenar km 15-5, Canto Blanco, E-28049 Madrid, Spain
Food Sci Technol Int 1997 **3** (6) 445
Analysis of whey proteins during ripening of Afuega'l Pitu cheese by reversed phase HPLC
- Evans DE, MacLeod LC, Eglinton JK, Gibson CE, Zhang X, Wallace W, Skerritt JH, Lance RCM// Univ Adelaide, Dept Plant Sci, Glen Osmond, SA 5064, Australia
J Cereal Sci 1997 **26** (2) 229

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical, nutritional and clinical methods. The bibliography is divided into fourteen sections: 1 Books, Reviews & Symposia; 2 General; 3 Amino Acids, Proteins & Enzymes; 4 Carbohydrates; 5 Lipids; 6 Vitamins & Co-factors; 7 Trace Elements & Minerals; 8 Drug, Biocide & Processing Residues; 9 Toxins; 10 Additives; 11 Flavours & Aromas; 12 Organic Acids; 13 Animal Products; 14 Plant & Microbial Products. Within each section, articles are listed in alphabetical order with respect to the author. Where there are no papers to appear under a heading, it will be omitted.

- Measurement of β -amylase in malting barley (*Hordeum vulgare* L.). I. Development of a quantitative ELISA for β -amylase
Evans DE, Wallace W, Lance RCM, McLeod LC// Address as above.
J Cereal Sci 1997 **26** (2) 241
- Measurement of β -amylase in malting barley (*Hordeum vulgare* L.). II. The effect of germination and kilning
Hanselman JC, Schwab DA, Rea TJ, Bisgaier CL, Pape ME// *Warner Lambert Parke Davis, Dept Biol Mol, Ann Arbor, MI 48105, USA
J Lipid Res 1997 **38** (11) 2365
- A cDNA-dependent scintillation proximity assay for quantifying apolipoprotein A-I
Herraiz T// CSIC, Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain
Anal Chim Acta 1997 **352** (1-3) 119
- Sample preparation and reversed phase-high performance liquid chromatography analysis of food-derived peptides
Huang DY, Khan K*// *Nth Dakota State Univ, Dept Cereal Sci, Fargo, ND 58105, USA
Cereal Chem 1997 **74** (6) 781
- Quantitative determination of high molecular weight glutenin subunits of hard red spring wheat by SDS-PAGE. I. Quantitative effects of total amounts on breadmaking quality
Huang DY, Khan K*// *Address as above.
Cereal Chem 1997 **74** (6) 786
- Quantitative determination of high molecular weight glutenin subunits of hard red spring wheat by SDS-PAGE. II. Quantitative effects of individual subunits on breadmaking quality characteristics
Lemieux L, Amiot J*, Piot JM, Guillochon D// *Univ Laval, Dairy Res Ctr, Laval, Quebec, Canada
Anal Chim Acta 1997 **352** (1-3) 399
- Separation of a casein hydrolyzate by HPLC with a new mobile phase and characterization of peptides by FABMS
Leonil J, Molle D, Fauquant J, Maubois JL, Pearce RJ, Bouhallab S// INRA, Lab Rech Technol Laitiere, 65 rue St Brieuc, F-35042 Rennes, France
J Dairy Sci 1997 **80** (10) 2270
- Characterization by ionization mass spectrometry of lactosyl β -lactoglobulin conjugates formed during heat treatment of milk and whey and identification of one lactose-binding site
Leszczynska J, Maslowska J, Owczarek A, Pytasz U*// *Polish Mothers Mem Hosp, Rzgowska Str 281-289, PL-93338 Lodz, Poland
Chem Anal 1997 **42** (5) 715
- Estimation of gluten content in some of non-gluten products
Luguera C, Moreno-Arribas V, Pueyo E, Polo MC*// *CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain
J Agr Food Chem 1997 **45** (10) 3766
- Capillary electrophoretic analysis of wine proteins: Modifications during the manufacture of sparkling wines
Luo XY, Snow LD// Louisiana Tech Univ, Biochem Lab, Carson Taylor Hall, Ruston, La 71272, USA
Biochem Arch 1997 **13** (4) 319
- Detergent interference with Lowry assay of bovine milk fat globule membrane protein
Lynch AG, Mulvihill DM, Law AJR, Leaver J, Horne DS// Natl Univ Ireland, Univ Coll Cork, Dept Food Chem, Cork, Rep Ireland
Int Dairy J 1997 **7** (4) 213
- Chromatographic elution profiles, electrophoretic properties and free amino and sulphhydryl group contents of commercial sodium caseinates
Marchal R, Seguin V, Maujean A// Fac Sci Reims, Lab Oenol, Moulin Housse, BP 1039, F-51687 Reims 2, France
Amer J Enol Viticult 1997 **48** (3) 303
- Quantification of interferences by direct measurement of proteins in wines from the Champagne region using the Bradford method
Morales A, Kokini JL*// *Rutgers State Univ, Ctr Adv Food Technol, POB 231, New Brunswick, NJ 08903, USA
Biotechnol Progr 1997 **13** (5) 624
- Glass transition of soy globulins using differential scanning calorimetry and mechanical spectrometry
Parris N, Dickey L, Craig J// USDA/ARS, Eastern Reg Res Ctr, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
Cereal Chem 1997 **74** (6) 766
- Quantitative analysis of corn zeins by capillary electrophoresis
Puchkova LV, Zakharova ET, Aleinikova TD, Mokshina SV, Tsymbalenko NV, Sasina LK, Shirmanova MR, Rogacheva NP, Gaitshkoki VS// Russian Acad Med Sci, Expt Med Res Inst, ul Akad Pavlova 12, St Petersburg 197376, Russia
Biochemistry-Engl Tr 1997 **62** (8) 928
- Comparative analysis of the molecular heterogeneity of ceruloplasmin from human blood and breast milk
Recio I, Ramos M, Amigo L// CSIC, Inst Fermentac Ind, Juan Cierva 3, ES-28006 Madrid, Spain
J Dairy Res 1997 **64** (4) 525
- Study of the polymorphism of ovine α_{s1} - and α_{s2} -caseins by capillary electrophoresis
Reed RG// Mary Imogene Bassett Hosp, Cooperstown, NY 13326, USA
Clin Chem 1997 **43** (10) 1809
- In search of the ideal measure of high-density lipoprotein (Editorial)
Rohm H, Jaros D, Riedler-Hellrigl M// Agr Univ Vienna, Dept Dairy Sci & Bacteriol, Gregor Mendel Str 33, A-1180 Vienna, Austria
Food Sci Technol-Lebensm Wiss 1997 **30** (7) 767
- A simple distillation method for the assessment of proteolysis in hard cheese
Scheffer PG, Bakker SJL, Heine RJ, Teerlink T// Vrije Univ Amsterdam, Acad Hosp, Dept Clin Chem, POB 7057, NL-1007 MB Amsterdam, The Netherlands
Clin Chem 1997 **43** (10) 1904
- Measurement of low-density lipoprotein particle size by high-performance gel-filtration chromatography
Schmitz G, Mollers C, Richter V// Univ Regensburg, Inst Clin Chem & Lab Med, Franz Josef Str Allee 11, D-93042 Regensburg, Germany
Electrophoresis 1997 **18** (10) 1807
- Analytical capillary isotachopheresis of human serum lipoproteins
Sheehan MC, Skerritt JH// Tooheys Pty Ltd, Lidcombe, NSW 2141, Australia
J Inst Brew 1997 **103** (5) 297
- Identification and characterisation of beer polypeptides derived from barley hordeins
Van Hekken DL, Dudley RL// USDA/ARS, Eastern Reg Res Ctr, Nth Atlantic Area, 600 East Mermaid Lane, Wyndmoor, Pa 19038, USA
J Dairy Sci 1997 **80** (11) 2751
- Analysis of modified whole casein with different phosphorus contents using phosphorus-31 nuclear magnetic resonance and Fourier transform infrared spectroscopy
Zhao QY, Le Coeur C, Piot JM*// *Univ La Rochelle, Lab Genie Proteique & Cellulaire, Ave Marillac, FR-17042 La Rochelle, France
Anal Chim Acta 1997 **352** (1-3) 201
- Analysis of peptides from bovine hemoglobin and tuna myoglobin enzymatic hydrolysate: Use of HPLC with on-line second-order derivative spectroscopy for the characterization of biologically active peptides

4 CARBOHYDRATES

- Bento LS, Pereira ME, Sa S// RAR, SA Porto, Portugal
Int Sugar J 1997 **99** (1187) 555
- Improved analysis of sugar colorants: By gel chromatography with UV and ELS
Cornillon P, McCarthy MJ, Reid DS// Purdue Univ, Dept Food Sci, Whistler Ctr Carbohydrate Res, Smith Hall, West Lafayette, In 47907, USA
J Texture Stud 1997 **28** (4) 421
- Study of restricted diffusion by NMR in freeze-dried starch gels
Ferreira IMPLVO, Ferreira MA// Univ Oporto, CEQUP, Lab Bromatol, Rua Anibal Cunha 164, PT-4050 Oporto, Portugal
J Liq Chromatogr Relat Technol 1997 **20** (20) 3419
- Simultaneous determination of sugars, uric and orotic acids in infant formulae by HPLC-UV/IR
Haginoya R, Sakai K, Komatsu T, Nagao S, Yokoyama K, Takeuchi T, Matsukawa R, Karube I*// *Univ Tokyo, Adv Sci & Technol Res Ctr, Meguro ku, 4-6-1 Komaba, Tokyo 153, Japan
Cereal Chem 1997 **74** (6) 745
- Determination of damaged starch and diastatic activity in wheat flour using a flow-injection analysis biosensor method
Hopkinson I, Jones RAL, Black S, Lanc DM, MacDonald PJ// Univ Cambridge, Cavendish Lab, Polymers & Colloids Grp, Cambridge CB3 0HE, England
Carbohydr Polym 1997 **34** (1-2) 39
- Fickian and case II diffusion of water into amylose: A stray field NMR study
Jamin E, Gonzalez J, Remaud G, Naulet N, Martin GG// Eurofins Labs, rue Pierre Adolphe Bobierre, BP 42301, F-44323 Nantes 03, France
J Agr Food Chem 1997 **45** (10) 3961
- Detection of exogenous sugars or organic acids addition in pineapple juices and concentrates by ^{13}C IRMS analysis
Klavons JA, Dintzis FR*, Millard MM// *USDA/ARS, Natl Ctr Agr Utilizat Res, MWA, 1815 Nth Univ St, Peoria, IL 61604, USA
Cereal Chem 1997 **74** (6) 832
- Hydrodynamic chromatography of waxy maize starch
Koziet J, Bricout E// Ctr Rech Pernod Ricard, 120 Ave Marechal Foch, F-94015 Creteil, France
Sci Aliment 1997 **17** (4) 403
- Detection of added beet sugar in orange juice using determination of sucrose $^{18}\text{O}/^{16}\text{O}$ isotope ratio (French)
Lebet V, Arrigoni E*, Amado R// *Swiss Fed Inst Technol, Inst Food Sci, CH-8092 Zurich, Switzerland
Z Lebensm Unters Forsch A-Food 1997 **205** (4) 257
- Neutral-sugar determination by HPAEC-PAD to characterise polysaccharide degradation by colonic bacteria

- Losso DN, Nakai S// Univ British Columbia, Dept Food Sci, 6650 NW Marine Dr, Vancouver, Brit Columbia, Canada V6T 1Z4
J Agr Food Chem 1997 **45** (11) 4342
Molecular size of garlic fructooligosaccharides and fructopolysaccharides by matrix-assisted laser desorption/ionization mass spectrometry
- Mannino S, Brenna O, Buratti S, Cosio MS// Univ Studi Milano, DISTAM, Via Celoria 2, I-20133 Milano, Italy
Electroanal 1997 **9** (17) 1337
Microdialysis-bioreactor for on-line monitoring of glucose in food samples
- Mua JP, Rosowski JR, Jackson DS// Univ Nebraska, Dept Food Sci & Technol, 256 Food Ind Bldg, Lincoln, Ne 68583, USA
Starch 1997 **49** (10) 401
Initial phase solubilization of normal corn starch by methyl sulfoxide (DMSO): Evidence from scanning electron microscopy and size exclusion chromatography
- Paredes PA, Parellada J, Fernandez VM, Katakis I, Dominguez E// *Univ Alcalá, Dept Quim Analit, ES-28871 Alcalá de Henares, Madrid, Spain
Biosens Bioelectron 1997 **12** (12) 1233
Amperometric mediated carbon paste biosensor based on D-fructose dehydrogenase for the determination of fructose in food analysis
- Sene M, Thevenot C, Prioul JL// *Univ Paris 11, Batiment 630, F-91405 Orsay, France
J Cereal Sci 1997 **26** (2) 211
Simultaneous spectrophotometric determination of amylose and amylopectin in starch from maize kernel by multi-wavelength analysis
- Vonach R, Lendl B, Kellner R// *Vienna Tech Univ, Inst Analyt Chem, A-1060 Vienna, Austria
Anal Chem 1997 **69** (20) 4286
Hyphenation of ion exchange high-performance liquid chromatography with Fourier transform infrared detection for the determination of sugars in non-alcoholic beverages
- ## 5 LIPIDS
- Angulo AJ, Romera JM, Ramirez M, Gil A// Abbott Labs, R&D Dept, Camino Purchil 68, E-18004 Granada, Spain
J Agr Food Chem 1997 **45** (11) 4318
Determination of cholesterol oxides in dairy products. Effect of storage conditions
- Berezin OY, Turyan YI, Kogan L, Kuselman I*, Shenhar A// *Hebrew Univ Jerusalem, Natl Phys Lab Israel, Givat Ram, IL-91904 Jerusalem, Israel
J Amer Oil Chem Soc 1997 **74** (10) 1339
Practical limitations in determining vegetable oil acid values by a novel pH-metric method
- Berg H, Magard M, Johansson G, Mathiasson L// Swedish Meat Res Inst, POB 504, S-24424 Kavlinge, Sweden
J Chromatogr A 1997 **785** (1-2) 345
Development of a supercritical fluid extraction method for determination of lipid classes and total fat in meats and its comparison with conventional methods
- Boselli E, Caboni MF*, Lercker G// *Univ Bologna, Ist Ind Agrarie, Via S Giacomo 7, I-40126 Bologna, Italy
Z Lebensm Unters Forsch A-Food 1997 **205** (5) 356
Determination of free cholesterol from dried egg yolk by on-line coupling of supercritical fluid extraction with solid phase extraction
- Chen H, Marks BP, Siebenmorgen TJ// *Univ Arkansas, Dept Biol & Agr Engr, Fayetteville, Ar 72701, USA
Cereal Chem 1997 **74** (6) 826
Quantifying surface lipid content of milled rice via visible/near-infrared spectroscopy
- Crews C, Calvet-Sarrett R, Brereton P// MAFF, CSL Food Sci Lab, Norwich Res Pk, Norwich NR4 7UQ, England
J Amer Oil Chem Soc 1997 **74** (10) 1273
The analysis of sterol degradation products to detect vegetable fats in chocolate
- Guillen MD, Cabo N// Univ Pais Vasco, Fac Farm, CSIC, Paseo Marques Urquijo s/n, E-01006 Vitoria, Spain
J Amer Oil Chem Soc 1997 **74** (10) 1281
Characterization of edible oils and lard by Fourier transform infrared spectroscopy. Relationships between composition and frequency of concrete bands in the fingerprint region
- Jie MSFLK, Pasha MK, Alam MS// Univ Hong Kong, Dept Chem, Pokfulam Rd, Hong Kong, Peoples Rep China
Lipids 1997 **32** (10) 1041
Synthesis and nuclear magnetic resonance properties of all geometrical isomers of conjugated linoleic acids
- Johnson R, McNutt P, MacMahon S, Robson R// Natl Women's Hosp, Dept Clin Biochem, Priv Bag 92189, Auckland 3, New Zealand
Clin Chem 1997 **43** (11) 2183
Use of the Friedewald formula to estimate LDL-cholesterol in patients with chronic renal failure on dialysis
- Karlsson AA, Arnoldsson KC, Wester Dahl G, Odham G// Nycomed Innovat AB, SE-20512 Malmö, Sweden
Milchwissenschaft 1997 **52** (10) 554
Common molecular species of glucosyl ceramides, lactosyl ceramides and sphingomyelins in bovine milk determined by high performance liquid chromatography/mass spectrometry
- Kock R, Delvoux B, Greilling H// Rhein Westfal TH Aachen, Inst Clin Chem & Pathobiochem, Pauwelsstr 30, D-52057 Aachen, Germany
Clin Chem 1997 **43** (10) 1896
Determination of total cholesterol in serum by liquid chromatography/isotope dilution mass spectrometry
- Kulkarni KR, Marcovina SM, Krauss RM, Garber DW, Glasscock AM, Segrest JP// *Univ Alabama, Dept Med, Birmingham, Al 35294, USA
J Lipid Res 1997 **38** (11) 2353
Quantification of HDL2 and HDL3 cholesterol by the Vertical Auto Profile-II (VAP-II) methodology
- Laakso P// Univ Turku, Dept Biochem & Food Chem, FIN-20014 Turku, Finland
J Amer Oil Chem Soc 1997 **74** (10) 1291
Characterization of α and γ -linolenic acid oils by reversed-phase high-performance liquid chromatography atmospheric pressure chemical ionization mass spectrometry
- Lechner M, Bauer-Plank C, Lorbeer E// Univ Vienna, Inst Organ Chem, Währingerstr 38, A-1090 Vienna, Austria
J High Res Chromatogr 1997 **20** (11) 581
Determination of acylglycerols in vegetable oil methyl esters by on-line normal phase LC-GC
- Lin JT, Woodruff CL, McKeon TA// USDA/ARS, Western Reg Res Ctr, 800 Buchanan St, Albany, Ca 94710, USA
J Chromatogr A 1997 **782** (1) 41
Non-aqueous reversed-phase high-performance liquid chromatography of synthetic triacylglycerols and diacylglycerols
- Mathew S, Sagathevan S, Thomas J, Mathen G// Kerala Agr Univ, Aromat & Med Plants Res Stn, Odakkali 683549, Kerala, India
Indian J Anim Sci 1997 **67** (9) 805
An HPLC method for estimation of volatile fatty acids in ruminal fluid
- Mazzola EP, McMahon JB, McDonald RE, Yurawecz MP, Sehat N, Mossoba MM// US/FDA, Ctr Food Safety & Appl Nutr, Washington, DC 20204, USA
J Amer Oil Chem Soc 1997 **74** (10) 1335
¹³C nuclear magnetic resonance spectral confirmation of Δ^6 - and Δ^7 -trans-18:1 fatty acid methyl ester positional isomers
- Mollers C, Luhs W, Schaffert E, Thies W// Univ Gottingen, Inst Pflanzenbau & Pflanzenzüchtung, Von Siebold Str 8, D-37075 Gottingen, Germany
Fett-Lipid 1997 **99** (10) 352
High-temperature gas chromatography for the detection of trierucoylglycerol in the seed oil of transgenic rapeseed (*Brassica napus* L.)
- Nouros PG, Georgiou CA, Polissiou MG// *Agr Univ Athens, Lab Gen Chem, 75 Iera Odos, GR-11855 Athens, Greece
Anal Chim Acta 1997 **351** (1-3) 291
Automated flow injection spectrophotometric non-aqueous titrimetric determination of the free fatty acid content of olive oil
- Okazaki M, Sasamoto K, Muramatsu T, Hosaki S// Tokyo Med & Dent Univ, Chem Lab, 2-8-30 Kohnodai, Ichikawa, Chiba 272, Japan
Clin Chem 1997 **43** (10) 1885
Evaluation of precipitation and direct methods for HDL-cholesterol assay by HPLC
- Pena A, Nevarez L, Labastida C, Capella S// Natl Autonomous Univ Mexico, CD Univ, Lab Chromatogr, Mexico City 04510, DF, Mexico
J High Res Chromatogr 1997 **20** (10) 572
Triglyceride characterization of different Mexican cheeses by high temperature capillary gas chromatography (HT-CGC)
- Phillips KM, Lugogo RD, Harris RF, Tarrago-Trani MT, Bailey JA, Stewart KK// Virginia Polytech Inst & State Univ, Dept Biochem, Blacksburg, Va 24061, USA
J Food Lipids 1997 **4** (3) 173
Direct determination of trans-octadecenoic acid in diet composites using a combination of silver ion high performance liquid chromatography and capillary gas chromatography
- Reichenbach WA, Min DB// *Ohio State Univ, Dept Food Sci, Columbus, Oh 43210, USA
J Amer Oil Chem Soc 1997 **74** (10) 1329
Oxidative stability and nuclear magnetic resonance analyses of linoleic acid encapsulated in cyclodextrins
- Reina RJ, White KD, Jahngen EGE// US/FDA, Winchester Engr & Analyt Ctr, 109 Holton St, Winchester, Ma 01890, USA
J AOAC Int 1997 **80** (6) 1272
Validated method for quantitation and identification of 4,4-desmethylsterols and triterpene diols in plant oils by thin-layer chromatography high resolution gas chromatography/mass spectrometry
- Saguy IS, Gremaud E, Gloria H, Turesky RJ// Hebrew Univ Jerusalem, Inst Biochem Food Sci & Nutr, POB 12, IL-76100 Rehovot, Israel

- J Agr Food Chem* 1997 **45** (11) 4286
Distribution and quantification of oil uptake in French fries utilizing a radiolabeled ^{14}C palmitic acid
- Schoemaker M, Feldbrugge R, Grundig B, Spener F*// *Univ Munster, Inst Biochem, Wilhelm-Klemm-Str 2, D-48149 Munster, Germany
Biosens Bioelectron 1997 **12** (11) 1089
The lipoxigenase sensor, a new approach in essential fatty acid determination in foods
- Sjovall O, Kuksis A*, Marai L, Myher JJ// *Univ Toronto, Banting & Best Dept Med Res, Charles H Best Inst, 112 Coll St, Toronto, Ontario, Canada M5G 1L6
Lipids 1997 **32** (11) 1211
Elution factors of synthetic oxotriacylglycerols as an aid in identification of peroxidized natural triacylglycerols by reverse-phase high-performance liquid chromatography with electrospray mass spectrometry
- Thompson RH// USDA, Beltsville Human Nutr Res Ctr, BARC E, Food Compos Lab, Bldg 161, Beltsville, Md 20705, USA
J Chromatogr Sci 1997 **35** (11) 536
Direct measurement of total *trans*- and *cis*-octadecenoic fatty acids based on a gas-liquid chromatographic class separation of *trans*-18:1 and *cis*-18:1 fatty acid methyl esters
- Thompson RH// Address as above.
J Chromatogr Sci 1997 **35** (12) 598
Simplifying fatty acid analyses using a standard set of gas-liquid chromatographic conditions. II. Equivalent chain length values for *cis*- and *trans*- isomers of monoethylenic ^{13}C fatty acid methyl esters for Carbowax-20M liquid phase
- Ville H, Rombouts G, Van Hecke P, Perremans S, Maes G, Spincemaille G, Geers R*// *Univ Catholique Louvain, B-3001 Heverlee, Belgium
J Anim Sci 1997 **75** (11) 2942
An evaluation of ultrasound and nuclear magnetic resonance spectroscopy to measure *in vivo* intramuscular fat content of longissimus muscle of pigs
- ## 6 VITAMINS & CO-FACTORS
- Abidi SL, Mounts TL// USDA/ARS, Natl Ctr Agr Utilizat Res, 1815 Nth Univ St, Peoria, Il 61604, USA
J Chromatogr A 1997 **782** (1) 25
Reversed-phase high-performance liquid chromatographic separations of tocopherols
- Akhtar MJ, Khan MA*, Ahmad I// *Univ Karachi, Dept Chem, Organ Sect, Karachi 75270, Pakistan
J Pharmaceut Biomed Anal 1997 **16** (1) 95
High performance liquid chromatographic determination of folic acid and its photodegradation products in the presence of riboflavin
- Arya SP, Mahajan M// Kurukshehra Univ, Dept Chem, Kurukshehra 136119, Haryana, India
Anal Lett 1997 **30** (14) 2541
Nitroso-R salt as a sensitive spectrophotometric reagent for the determination of vitamin C
- Careri M, Manini P// Univ Parma, Dipt Chim Gen & Inorgan, I-43100 Parma, Italy
Chromatographia 1997 **46** (7-8) 425
Liquid chromatography particle-beam mass spectrometric determination of β -carotene by negative-ion chemical ionization
- Casella IG, Guascito MR// Univ Basilicata, Dipt Chim, via N Sauro 85, IT-85100 Potenza, Italy
Electroanal 1997 **9** (18) 1381
Electrocatalysis of ascorbic acid on the glassy carbon electrode chemically modified with polyaniline films
- Chase GW, Eitenmiller RR, Long AR// US/FDA, 60 8th St, Atlanta, Ga 30602, USA
J Liq Chromatogr Relat Technol 1997 **20** (20) 3317
Liquid chromatographic analysis of all-*rac*- α -tocopheryl acetate, tocopherols, and retinyl palmitate in SRM 1846
- Cheregi M, Danet AF// Univ Bucharest, Dept Analyt Chem, Panduri 90-92, Bucharest 76235, Romania
Anal Lett 1997 **30** (14) 2625
Flow injection determination of L-ascorbic acid in natural juice with biamperometric detection
- Choi OK, Jo JS// Dongyoung Instruments, Bioanalyt Lab, CPO Box 7162, Seoul, South Korea
J Chromatogr A 1997 **781** (1-2) 435
Determination of L-ascorbic acid in foods by capillary zone electrophoresis
- Hodisan T, Socaciu C*, Ropan I, Neamtu G// *Univ Agr Sci & Vet Med, Dept Chem & Biochem, 3 Mqnc Tur Str, RO-3400 Cluj Napoca, Romania
J Pharmaceut Biomed Anal 1997 **16** (3) 521
Carotenoid composition of *Rosa canina* fruits determined by thin-layer chromatography and high-performance liquid chromatography
- Huo JZ, Neis HJ, Lavens P, Sorgeloos P, De Leenheer AP*// *State Univ Ghent, Lab Med Biochem Klin Anal, Harelbeekstr 72, B-9000 Ghent, Belgium
J Chromatogr A 1997 **782** (1) 63
Determination of E vitamers in microalgae using high-performance liquid chromatography with fluorescence detection
- Iwamoto E, Itamoto M, Nishioka K, Imai S, Hayashi Y, Kumamaru T// Hiroshima Women's Univ, Dept Hlth Sci, Hiroshima 734, Japan
J Anal Atom Spectrom 1997 **12** (11) 1293
Effects of conditions for pyrolysis of ascorbic acid as a chemical modifier on the vaporization mechanism of gold in electrothermal atomic absorption spectrometry
- Kim DW, Delle-Frate S, Jeong SS, Schirch V*// *Virginia Commonwealth Univ, Dept Biochem & Mol Biophys, Richmond, Va 23298, USA
Anal Biochem 1997 **253** (2) 201
Determination of serine hydroxymethyltransferase and reduced folate pools in tissue extracts
- Lane JR, Webb LW, Acuff RV// East Tennessee State Univ, James H Quillen Coll Med, Ctr Nutr Res, Johnson City, Tn 37614, USA
J Chromatogr A 1997 **787** (1-2) 111
Concurrent liquid chromatographic separation and photodiode array detection of retinol, tocopherols, all-*trans*- α -carotene, all-*trans*- β -carotene and the mono-*cis* isomers of β -carotene in extracts of human plasma
- Lapa RAS, Lima JLFC, Reis BF, Santos JLM, Zagatto EAG// CEQUP, Dept Quim Fis, Rua Anibal Cunha 164, P-4050 Oporto, Portugal
Anal Chim Acta 1997 **351** (1-3) 223
Photochemical-fluorimetric determination of folic acid in a multicommutated flow system
- Lessin WJ, Catigani GL, Schwartz SJ*// *Ohio State Univ, Dept Food Sci & Technol, 144 Howlett Hall, Columbus, Oh 43210, USA
J Agr Food Chem 1997 **45** (10) 3728
Quantification of *cis-trans* isomers of provitamin A carotenoids in fresh and processed fruits and vegetables
- Mannino S, Cosio MS// Univ Milan, Dipt Sci & Tecnol Alimentari & Microbiol, via Celoria 2, I-20133 Milan, Italy
Analyst 1997 **122** (10) 1153
Determination of ascorbic acid in foodstuffs by microdialysis sampling and liquid chromatography with electrochemical detection
- Marinovic AC, May WA, Sowell AL, Khan LK*, Huff DL, Bowman BA// *Ctr Dis Control & Prevent, Div Nutr & Phys Act, 4770 Buford Highway NE, Atlanta, Ga 30341, USA
Amer J Clin Nutr 1997 **66** (5) 1160
Effect of hemolysis on serum retinol as assessed by direct fluorometry
- Papadoyannis IN, Tsioni GK, Samanidou VF// Aristotelian Univ Thessaloniki, Analyt Chem Lab, GR-54006 Thessaloniki, Greece
J Liq Chromatogr Relat Technol 1997 **20** (19) 3203
Simultaneous determination of nine water and fat soluble vitamins after SPE separation and RP-HPLC analysis in pharmaceutical preparations and biological fluids
- Pfeiffer CM, Rogers LM, Bailey LB, Gregory JF*// *Univ Florida, Dept Food Sci & Human Nutr, POB 110370, Gainesville, Fl 32611, USA
Amer J Clin Nutr 1997 **66** (6) 1388
Absorption of folate fortified cereal-grain products and of supplemental folate consumed with or without food determined by using a dual-label stable-isotope protocol
- Qin W, Zhang ZJ*, Chen HH// *Shaaxi Normal Univ, Dept Chem, Xian 710062, Peoples Rep China
Fresenius J Anal Chem 1997 **358** (7-8) 861
Highly sensitive chemiluminescence flow sensor for ascorbic acid
- Ramanaukaite RB, Segers-Nolten IGMJ, De Grauw KJ, Sijtsema NM, Van der Maas L, Greve J, Otto C, Figdor CG// Univ Twente, Dept Appl Phys, POB 217, NL-7500 AE Enschede, The Netherlands
Pure Appl Chem 1997 **69** (10) 2131
Carotenoid levels in human lymphocytes, measured by Raman microspectroscopy
- Riyazuddin P, Nazer MMAK// Univ Madras, Dept Analyt Chem, Guindy Campus, IN-600025 Madras, India
J Pharmaceut Biomed Anal 1997 **16** (3) 545
Potentiometric determination of ascorbic acid in pharmaceutical preparations using a copper based mercury film electrode
- Satoh K, Ao Y, Asano K, Sakagami H, Kashimata M, Sakagami H// Showa Univ, Sch Pharmaceut Sci, Anal Ctr, Shinagawa ku, 1-5-8 Hatanodai, Tokyo 142, Japan
Anticancer Res 1997 **17** (5A) 3479
Rapid determination of ascorbate by ESR spectroscopy
- Simmons BR, Chukwumerije O, Stewart JT*// *Univ Georgia, Dept Med Chem, Athens, Ga 30602, USA
J Pharmaceut Biomed Anal 1997 **16** (3) 395
Supercritical fluid extraction of 13-*cis* retinoic acid and its photoisomers from selected pharmaceutical dosage forms
- Spencer BJ, Purdy WC*// *McGill Univ, Dept Chem, 801 Sherbrooke St West, Montreal, Quebec, Canada H3A 2K6

- J Chromatogr A* 1997 **782** (2) 227
Comparison of the separation of fat-soluble vitamins using β -cyclodextrins in high-performance liquid chromatography and micellar electrokinetic chromatography
- Srividya K, Balasubramanian N*// *Indian Inst Technol, Dept Chem, IN-600036 Madras, India
J AOAC Int 1997 **80** (6) 1368
Spectrophotometric determination of pyridoxine hydrochlorine in pharmaceutical preparations and foods
- Stefova M, Stafilov T, Stojanoski K, Cepreganova-Krstic B// Univ St Cyril & Methodius, Inst Chem, POB 162, Skopje 91001, Macedonia
Anal Lett 1997 **30** (15) 2723
Determination of vitamin B₁₂ in multivitamin tablets by high performance liquid chromatography
- Weissenberg M, Levy A, Schaeffler I, Menagem E, Barzilai M// ARO, Volcani Ctr, Lab Nat Prod Chem, IL-50250 Bet Dagan, Israel
Chromatographia 1997 **46** (7-8) 399
Rapid isocratic HPLC analysis of β -carotene in red peppers (*Capsicum annum* L.) and food preparations
- Wingsle G, Moritz T// Swedish Univ Agr Sci, Dept Forest Genet & Plant Physiol, S-90183 Umea, Sweden
J Chromatogr A 1997 **782** (1) 95
Analysis of ascorbate and dehydroascorbate in plant extracts by high-resolution selected ion monitoring gas chromatography/mass spectrometry
- Winkler W, Hachula U*// *Silesian Univ, Dept Analyt Chem, Inst Chem, 9 Szkolna St, PL-40006 Katowice, Poland
J Planar Chromat-Mod TLC 1997 **10** (5) 386
Determination of vitamin B₁₂ in pharmaceuticals after chromatographic separation
- Wyss R, Bucheli F// F Hoffmann La Roche & Co Ltd, Div Pharmaceut, CH-4070 Basel, Switzerland
J Chromatogr B 1997 **700** (1-2) 31
Determination of endogenous levels of 13-*cis*-retinoic acid (isotretinoin), all-*trans*-retinoic acid (tretinoin) and their 4-oxo metabolites in human and animal plasma by high-performance liquid chromatography with automated column switching and ultraviolet detection
- ## 7 TRACE ELEMENTS & MINERALS
- Angelucci E, Giovagnoni A, Valeri G, Paci E, Ripalti M, Mureto P, McLaren C, Brittenham GM, Lucarelli G// Azienda Osped Pesaro, Div EmatoL MurgliA, IT-61100 Pesaro, Italy
Blood 1997 **90** (12) 4736
Limitations of magnetic resonance imaging in measurement of hepatic iron
- Arruda-Neto JDT, Tavares MV, Filadelfo M// Univ Sao Paulo, Inst Phys, POB 66318, BR-05389-970 Sao Paulo, Brazil
J Radioanal Nucl Chem 1997 **221** (1-2) 97
Concentrations of uranium in animal feed supplements: Measurements and dose estimates
- Baralkiewicz D, Karas Z*, Siepak J// *Karol Marcinkowski Sch Med, Dept Radiobiol & Cell Biol, Swieciickiego 6, PL-60781 Poznan, Poland
Chem Anal 1997 **42** (5) 691
Application of the fast ETAAS method for the determination of chromium, cobalt and nickel in samples of preserved food
- Begerow J, Turfeld M, Dunemann L// Med Inst Unwelthg, Dept Analyt Chem, Hennekamp 50, D-40225 Dusseldorf, Germany
Fresenius J Anal Chem 1997 **359** (4-5) 427
Determination of physiological palladium and platinum levels in urine using double focusing magnetic sector field ICP-MS
- Bermejo P, Dominguez R, Bermejo A// Univ Santiago de Compostela, Dept Analyt Chem Nutr & Bromatol, Avda Ciencias, E-15706 Santiago de Compostela, Spain
Talanta 1997 **45** (2) 325
Direct determination of Fe and Zn in different components of cow milk by FAAS with a high performance nebulizer
- Brereton PA, Robb P, Sargent CM, Crews HM, Wood R// MAFF, CSL, Food Sci Lab, Norwich Res Pk, Norwich NR4 7UQ, England
J AOAC Int 1997 **80** (6) 1287
Determination of lead in wine by graphite furnace atomic absorption spectrophotometry: Interlaboratory study
- Capota P, Ropota M, Constantin M, Stoenescu V// Res Inst Nonferrous & Rare Met, 102 Biruintei Blvd, Bucharest 73951 2, Romania
Chem Anal 1997 **42** (5) 721
Determination of microelements in human teeth using the ICP-AES method
- Cecco SA, Hristova EN, Rehak NN*, Elin RJ// *NIH, Clin Chem Sect, Dept Clin Pathol, Warren Grant Magnuson Clin Ctr, Bethesda, Md 20892, USA
Amer J Clin Pathol 1997 **108** (5) 564
Clinically important intermethod differences for physiologically abnormal ionized magnesium results
- Chmilenko FA, Baklanova LV// Dnepropetrovsk State Univ, Dept Chem, pr Gagarina 72, UA-320625 Dnepropetrovsk, Ukraine
J Anal Chem-Engl Tr 1997 **52** (11) 1093
Atomic absorption determination of standardized metal impurities in wines using ultrasound
- Csako G, Rehak NN, Elin RJ// NIH, Clin Chem Serv, Dept Clin Pathol, WG Magnuson Clin Ctr, Bldg 10, Rm 2C-407, Bethesda, Md 20892, USA
Eur J Clin Chem Clin Biochem 1997 **35** (9) 701
Falsely high ionized magnesium results by an ion-selective electrode method in severe hypomagnesemia
- Delves CE, Sieniawska CE, Fell GS, Lyon TDB, Dezateux C, Cullen A, Variend S, Bonham JR, Chantler SM// Univ Southampton, Southampton, England
Analyst 1997 **122** (11) 1323
Determination of antimony in urine, blood and serum and in liver and lung tissues of infants by inductively coupled plasma mass spectrometry
- Djane NK, Bergdahl IA, Ndungu K, Schutz A, Johansson G, Mathiasson L// Lund Univ, Dept Analyt Chem, POB 124, S-22100 Lund, Sweden
Analyst 1997 **122** (10) 1073
Supported liquid membrane enrichment combined with atomic absorption spectrometry for the determination of lead in urine
- Fedorov PN, Ryabchuk GN, Zverev AV// Ctr Testing & Certificat, St Petersburg 198103, Russia
Spectrochim Acta PtB-Atom Spect 1997 **52** (9-10) 1517
Comparison of hydride generation and graphite furnace atomic absorption spectrometry for the determination of arsenic in food
- Flaten AK, Lund W*// *Univ Oslo, Dept Chem, POB 1033, NO-0315 Oslo, Norway
Sci Total Envir 1997 **207** (1) 21
Speciation of aluminium in tea infusions studied by size exclusion chromatography with detection by post-column reaction
- Galas W, Trzcionka J*// *Lwarynski Silesian Med Acad, PL-41200 Sosnowiec, Poland
Chem Anal 1997 **42** (5) 697
ICP-AES method in the determination of the metals in human hair
- Guerrero MI, Herce-Pagliai C, Camean AM, Tronco AM, Gonzalez AG// Univ Seville, Dept Biochem Food Sci & Toxicol, E-41012 Seville, Spain
Talanta 1997 **45** (2) 379
Multivariate characterization of wine vinegars from the south of Spain according to their metallic content
- Haginoya R, Nomura Y, Sakai K, Komatsu T, Nagao S, Sakai A, Henmi H, Ito S, Asano Y, Karube I*// *Univ Tokyo, Adv Sci & Technol Res Ctr, Meguro ku, 4-6-1 Komaba, Tokyo 153, Japan
Starch 1997 **49** (10) 416
Rapid measurement of potassium ion in wheat flour using a FIA-ion selective electrode based sensing system
- Huskens J, Main M, Malloy CR, Sherry AD*// *Univ Texas, Dept Chem, POB 830688, Richardson, Tx 75083, USA
BBA-Gen Subjects 1997 **1336** (3) 434
The determination of magnesium in human blood plasma by ³¹P magnetic resonance spectroscopy using a macrocyclic reporter ligand
- Jaganathan J, Dugar SM// Bur Alcohol Tobacco & Firearms, US Dept Treasury, Natl Lab Ctr, 1401 Res Blvd, Rockville, Md 20850, USA
Atom Spectrosc 1997 **18** (5) 156
Atomic absorption spectrometric determination of copper in malt beverages
- Karagolge A, Demir N, Demir Y, Kufrevioglu I// Ataturk Univ, Dept Biochem, Erzurum, Turkey
Turk J Chem 1997 **21** (3) 162
Apocarbonic anhydrase-enzymatic determination of zinc in fruit juices
- King JC, Lowe NM, Jackson MJ, Shames DM// USDA, Western Human Nutr Res Ctr, San Francisco, Ca 94720, USA
Eur J Clin Nutr 1997 **51** (11) 787
The double isotope tracer method is a reliable measure of fractional zinc absorption (Letter)
- Kock R, Schneider H, Delvoux B, Greiling H// Univ Klinikum, Rhein Westfal TH Aachen, Inst Klin Chem & Pathobiochem, Pauwelsstr 30, D-52057 Aachen, Germany
Eur J Clin Chem Clin Biochem 1997 **35** (9) 679
The determination of inorganic sulphate in serum and synovial fluid by high performance ion chromatography
- Li HY, Keohane BM, Sun HZ, Sadler PJ*// *Univ Edinburgh, Dept Chem, West Mains Rd, Edinburgh EH9 3JJ, Scotland
J Anal Atom Spectrom 1997 **12** (10) 1111
Determination of bismuth in serum and urine by direct injection nebulization inductively coupled plasma mass spectrometry
- Mahalingam TR, Vijayalakshmi S, Prabhu RK, Thiruvengadasami A, Mathews CK, Shanmugasundaram KR// Indira Gandhi Ctr Atom Res, Chem Grp, Kalpakkam 603102, Tamil Nadu, India
Biol Tr Elem Res 1997 **57** (3) 191
Studies on some trace and minor elements in blood: A survey of the Kalpakkam (India) population. I. Standardization of analytical methods using ICP-MS and AAS
- Matusiewicz H, Koprzas M// Politechn Poznanska, Dept Analyt Chem, PL-

- 60965 Poznan, Poland
J Anal Atom Spectrom 1997 **12** (11) 1287
 Methods for improving the sensitivity in atom trapping flame atomic absorption spectrometry: Analytical scheme for the direct determination of trace elements in beer
- Niaz SB, Mahmood F, Asghar MZ// Bahaiddin Zakariya Univ, Dept Chem, Multan 60800, Pakistan
J Chem Soc Pakistan 1997 **19** (2) 122
 Levels of some major and trace elements in commercial mango fruit juices determined by flame atomic absorption spectrometry
- Nobrega JA, Gelinis Y, Krushevska A, Barnes RM*// *Univ Massachusetts, Dept Chem, Lederle Grad Res Ctr Tower, Box 34510, Amherst, Ma 01003, USA
J Anal Atom Spectrom 1997 **12** (10) 1239
 Determination of elements in biological and botanical materials by inductively coupled plasma atomic emission and mass spectrometry after extraction with a tertiary amine reagent
- Nobrega JA, Gelinis Y, Krushevska A, Barnes RM*// *Univ Massachusetts, Dept Chem, Lederle Grad Res Ctr Tower, Box 34510, Amherst, Ma 01003, USA
J Anal Atom Spectrom 1997 **12** (10) 1243
 Direct determination of major and trace elements in milk by inductively coupled plasma atomic emission and mass spectrometry
- Pergantis SA, Heithmar EM, Hanners TA// Univ London, Birkbeck Coll, Dept Chem, 29 Gordon Sq, London WC1H 0PP, England
Analyst 1997 **122** (10) 1063
 Speciation of arsenic animal feed additives by microbore high-performance liquid chromatography with inductively coupled plasma mass spectrometry
- Plotkin E, McAleer JF, Cordeiro NL, Ackland MR, Sheehan TM, Braithwaite RA// Inverness Med Ltd, Beechwood Pk Nth, Inverness IV2 3ED, Scotland
Clin Chem 1997 **43** (11) 2187
 Convenient, rapid test for lead in blood with use of disposable electrodes
- Rivaro P, Frache R// Univ Genoa, Dipt Chim & Chim Ind, via Dodecaneso 31, I-16146 Genoa, Italy
Analyst 1997 **122** (10) 1069
 Determination of trace amounts of vanadyl porphyrin in marine mussel tissues by high-performance liquid chromatography with both ultraviolet/visible and inductively coupled plasma atomic emission spectrometric detection
- Shindoh K, Yasui A// Minist Agr Forestry & Fisheries, Natl Food Res Inst, 2-1-2 Kannondai, Tsukuba, Ibaraki 305, Japan
Bunseki Kagaku 1997 **46** (10) 813
 Determination of mineral contents in a single grain of rice by ICP-AES (Japanese, English Abstract)
- Sturniolo GC, D'Inca R, Lecis PE, Mestriner C, Buoso MC, Moschini G, Ogri R, Makarewicz M, Galassini S, Valkovic V// Univ Padua, Cattedra Malattie Apparato Digerente, IT-35128 Padua, Italy
J Trace Elem Exp Med 1997 **10** (4) 217
 Neutron activation analysis efficiently measures the concentration of trace elements in endoscopic biopsies from the normal and inflamed human colon
- Tsuji S, Imai M, Mishima I, Ishimitsu S, Shibata T, Ito Y// Natl Inst Hlth Sci, Chuo ku, 1-1-43 Hoenzaka, Osaka 540, Japan
J Toxicol Environ Health 1997 **43** (5) 305
 Studies on the preparation of sample solution for colorimetric determination of nitrite in foods (Japanese English Abstract)
- Vinas P, Lopez-Garcia I, Lanson M, Hernandez-Cordoba M*// *Univ Murcia, Dept Analyt Chem, E-30071 Murcia, Spain
J Agr Food Chem 1997 **45** (10) 3952
 Direct determination of lead, cadmium, zinc, and copper in honey by electrothermal atomic absorption spectrometry using hydrogen peroxide as a matrix modifier
- Walczyk T, Davidsson L, Zavaleta N, Hurrell RF// ETH Zurich, Labor Humanernahrung, Seestr 72, CH-8003 Ruschlikon, Switzerland
Fresenius J Anal Chem 1997 **359** (4-5) 445
 Stable isotope labels as a tool to determine the iron absorption by Peruvian school children from a breakfast meal
- Wygant MB, Statler JA, Henshall A// Dionex Chem Corp, 1228 Titan Way, Sunnyvale, Ca 94086, USA
J AOAC Int 1997 **80** (6) 1374
 Improvements in amperometric detection of sulfite in food matrixes
- Zhang ZW, Shimbo S, Ochi N, Eguchi M, Watanabe T, Moon CS, Ikeda M*// *Kyoto Ind Hlth Assoc, Kyoto 604, Japan
Sci Total Envir 1997 **205** (2-3) 179
 Determination of lead and cadmium in food and blood by inductively coupled plasma mass spectrometry: A comparison with graphite furnace atomic absorption spectrometry
- Zhou XC, Lu GH*, Wang F, Lan YH// *Cent China Normal Univ, Dept Chem, CN-430070 Wuhan, Peoples Rep China
Microchem J 1997 **57** (3) 274
 A new polarographic adsorptive catalytic wave for the determination of trace tellurium in smog dust and wheat flour
- ## 8 DRUG, BIOCIDES & PROCESSING RESIDUES
- Abjean JP, Lahogue V// CNEVA, Lab Medicaments Vet, FR-35133 Javene, France
J AOAC Int 1997 **80** (6) 1171
 Planar chromatography for quantitative determination of ampicillin residues in milk and muscle
- Anastassiades M, Scherbaum E// Chem & Veterinaruntersuchungsamt Stuttgart, Sitz Fellbach, Schaflandstr 3-2, D-70736 Fellbach, Germany
Deut Lebensm-Rundsch 1997 **93** (10) 316
 Multiresidue method for determination of pesticide residues in citrus fruits by GC-MSD (German, English Abstract)
- Ang CYW, Luo WH, Call VL, Righter HF// US/FDA, Natl Ctr Toxicol Res, Div Chem, HFT-230, 3900 NCTR Rd, Jefferson, Ar 72079, USA
J Agr Food Chem 1997 **45** (11) 4351
 Comparison of liquid chromatography with microbial inhibition assay for determination of incurred amoxicillin and ampicillin residues in milk
- Argauer RJ, Lehotay SJ, Brown RT// USDA/ARS, Beltsville Agr Res Ctr, Beltsville, Md 20705, USA
J Agr Food Chem 1997 **45** (10) 3936
 Determining lipophilic pyrethroids and chlorinated hydrocarbons in fortified ground beef using ion-trap mass spectrometry
- Baumard P, Budzinski H*, Garrigues P// *Univ Bordeaux I, URA 348 CNRS, FR-33405 Talence, France
Fresenius J Anal Chem 1997 **359** (6) 502
 Analytical procedure for the analysis of PAHs in biological tissues by gas chromatography coupled to mass spectrometry: Application to mussels
- Bernal JL, Del Nozal MJ, Toribio L, Jimenez JJ, Aienza J// Univ Valladolid, Dept Analyt Chem, Prado Magdalena s/n, ES-47005 Valladolid, Spain
J Chromatogr A 1997 **787** (1-2) 129
 High-performance liquid chromatographic determination of benomyl and carbendazim residues in apiarian samples
- Bicchi C, D'Amato A, Balbo C// Univ Turin, Dipt Sci & Tecol Farm, via P Giuria 9, IT-10125 Turin, Italy
J AOAC Int 1997 **80** (6) 1281
 Multiresidue method for quantitative gas chromatographic determination of pesticide residues in sweet cherries
- Blanchflower WJ, Hughes PJ, Kennedy DG// Dept Agr Nthn Ireland, Vet Sci Div, Belfast BT4 3SD, Northern Ireland
J AOAC Int 1997 **80** (6) 1177
 Determination of nicarbazin in eggs by liquid chromatography/atmospheric pressure chemical ionization mass spectrometry
- Brandsteterova E, Kubalec P, Bovanova L, Simko P, Bednarikova A, Machackova L// Slovak Tech Univ, Dept Analyt Chem, Radlinskeho 9, Bratislava 81237, Slovakia
Z Lebensm Unters Forsch A-Food 1997 **205** (4) 311
 SPE and MSPD as pre-separation techniques for HPLC of tetracyclines in meat, milk and cheese
- Chambel P, Oliveira MB, Andrade PB, Seabra RM, Ferreira MA// Univ Oporto, Lab Bromatol, R Anibal Cunha, P-4050 Oporto, Portugal
J Liq Chromatogr Relat Technol 1997 **20** (18) 2949
 Development of an HPLC/diode-array detector method for simultaneous determination of 5-HMF, furfural, 5-O-caffeoylquinic acid and caffeine in coffee
- Chivanov VD, Grebenik LI, Baranova VM, Eremenko VI, Aksenov SA, Kuracv VV, Knysh AN, Bordunova OG, Chivanova SV, Mishnev AK// Sumy Agr Inst, Petropavlovskaya ul 57, UA-244030 Sumy, Ukraine
J Anal Chem 1997 **52** (10) 1005
 Rapid detection of antibiotics in meat products by time-of-flight plasma desorption mass spectrometry
- Colombo R, Tiraferri S// Ist Nazl Apicoltura, Via Saliceto 80, I-40126 Bologna, Italy
Ind Aliment 1997 **36** (363) 1151
 Method of column extraction for coumaphos residue determination in honey (Italian, English Abstract)
- De Leuw P, Kapa G, Petz M, Schreurs FJG, Kan CA// Berg Univ Gesamthsch Wuppertal, Dept Food Chem, Fachbereich 9, DE-42097 Wuppertal, Germany
J AOAC Int 1997 **80** (6) 1220
 Induction and characterization of multianalyte antibodies against penicillins in egg yolk
- Evans TJ, Butzke CE, Ebeler SE*// *Univ Calif, Dept Viticulture & Enol, Davis, Ca 95616, USA
J Chromatogr A 1997 **786** (2) 293
 Analysis of 2,4,6-trichloroanisole in wines using solid-phase microextraction coupled to gas chromatography/mass spectrometry
- Fletouris DJ, Botsoglou N, Psomas IE, Mantis AI// Aristotelian Univ, Sch Vet Med, GR-54006 Thessaloniki, Greece
J Dairy Sci 1997 **80** (11) 2695
 Determination of the marker residue of albendazole in cheese by ion-pair liquid chromatography and fluorescence detection
- Furuta M, Dohmaru T, Katayama T, Toratani H, Takeda A// Univ Osaka Pre-

- lecture, Adv Sci & Technol Res Inst, Gakuen cho, Sakai, Osaka 593, Japan
J Agr Food Chem 1997 **45** (10) 3928
Detection of irradiated frozen deboned seafood with the level of radiolytic H₂ and CO gases as a probe
- Gelsomino A, Petrovicova B, Tiburtini S, Magnani E, Felici M// Univ Reggio Calabria, Dipt Agrochim & Agrobiol, Piazza San Francesco 4, I-89061 Gallina, RC, Italy
J Chromatogr A 1997 **782** (1) 105
Multiresidue analysis of pesticides in fruits and vegetables by gel permeation chromatography followed by gas chromatography with electron-capture and mass spectrometric detection
- Gennari M, Cignetti A, Negre M, Collina A// Univ Turin, Dipt Valorizzaz & Prot Risorse, via Leonardo da Vinci 44, IT-10095 Grugliasco, TO, Italy
J AOAC Int 1997 **80** (6) 1298
Determination of tolclofos-methyl in soil and lettuce by gas chromatography
- Greizerstein HB, Gigliotti P, Vena J, Freudenheim J, Kostyniak PJ// SUNY, Dept Pharmacol & Toxicol, 111 Farber Hall, Buffalo, NY 14214, USA
J Anal Toxicol 1997 **21** (7) 558
Standardization of a method for the routine analysis of polychlorinated biphenyl congeners and selected pesticides in human serum and milk
- Juhler RK// Danish Vet & Food Adm, Inst Food Chem & Nutr, Morkhøj Bygade 19, DK-2860 Soborg, Denmark
J Chromatogr A 1997 **786** (1) 145
Optimized method for the determination of organophosphorus pesticides in meat and fatty matrices
- Kaufmann A// Schuler Weine, Wein Analyt, Franzosenstr 14, CH-6423 Seewen, Switzerland
J AOAC Int 1997 **80** (6) 1302
Fully automated determination of pesticides in wine
- Lancas FM, Barbirato MA, Galhaine MS, Rissato SR// Univ Sao Paulo, Inst Chem Sao Carlos, POB 780, BR-13560-970 Sao Carlos, SP, Brazil
J High Res Chromatogr 1997 **20** (10) 569
Extraction of fluazinan residues from fruits by CO₂ in the supercritical state
- Lo Coco F, Novelli V, Valentini C, Cecon L*// *Univ Udine, Dipt Sci & Tecnol Chim, Via Cotonificio 108, IT-33100 Udine, Italy
J Chromatogr Sci 1997 **35** (12) 578
High-performance liquid chromatographic determination of 2-furaldehyde and 5-hydroxymethyl-2-furaldehyde in fruit juices
- Loussouarn S, Pouliquen H, Armand F// Ecole Natl Vet, Lab Chimiotherapie Aquacole & Environnement, BP 40706, F-40307 Nantes 03, France
J Chromatogr B 1997 **698** (1-2) 251
High-performance liquid chromatographic determination of oxolinic acid in the plasma of seabass (*Dicentrarchus labrax*) anaesthetized with 2-phenoxy-ethanol
- Minelli EV, Angioni A, Melis M, Pirisi FM, Cabras P// Univ Cagliari, Dipt Tossicol, Viale Diaz 182, IT-09126 Cagliari, Italy
J AOAC Int 1997 **80** (6) 1315
Determination of carbamate insecticides in apples, pears, and lettuce by LC with UV detector
- Moran JW, Turner JM, Coleman MR// Elanco Anim Hlth, 2001 West Main St, Greenfield, In 46140, USA
J AOAC Int 1997 **80** (6) 1183
Determination of tilmicosin in bovine and porcine sera by liquid chromatography
- Ohba K, Minoura M, Safarpour MM, Picard GL, Safarpour H// Cyanamid Japan Ltd, Tahara Agr Ctr, 16-1 Kamigaya, Tahara, Aichi 44134, Japan
J Pestic Sci 1997 **22** (4) 277
Method for the determination of imazamox and its two hydroxy and glucose conjugate metabolites in adzuki beans by capillary electrophoresis
- Perez B, Prats C, Castells E, Arboix M// Univ Autonoma Barcelona, Dept Farmacol, E-08193 Bellaterra, Spain
J Chromatogr B 1997 **698** (1-2) 155
Determination of cloxacillin in milk and blood of dairy cows by high-performance liquid chromatography
- Rose MD, Bygrave J, Farrington WHH, Shearer G// MAFF, CSL Food Sci Lab, Norwich Res Pk, Colney Lane, Norwich NR4 7UQ, England
Analyst 1997 **122** (10) 1095
The effect of cooking on veterinary drug residues in food. VIII. Benzylpenicillin
- Rushing LG, Hansen EB// Natl Ctr Toxicol Res, Dept Hlth & Human Serv, Food Drug Adm, 3900 NCTR Dr, Jefferson, Ar 72079, USA
J Chromatogr B 1997 **700** (1-2) 223
Confirmation of malachite green, gentian violet and their leuco analogs in catfish and trout tissue by high-performance liquid chromatography utilizing electrochemistry with ultraviolet-visible diode array detection and fluorescence detection
- Scaroni I, Caldari C// ARPA, Corso Giovecca 169, I-44100 Ferrara, Italy
Ind Aliment 1997 **36** (363) 1131
Study of critical points for the analysis of organophosphorus pesticides residues in food (Italian, English Abstract)
- Schulzki G, Spiegelberg A*, Bogl KW, Schreiber GA// *Fed Inst Hlth Protect Consumers & Vet Med, BGVV, Postfach 33.00.13, D-14191 Berlin, Germany
J Agr Food Chem 1997 **45** (10) 3921
Detection of radiation-induced hydrocarbons in irradiated fish and prawns by means of on-line coupled liquid chromatography gas chromatography
- Sen NP, Seaman SW, Page BD// Hlth Canada, Hlth Protect Branch, Food Directorate 2203D, Food Res Div, Ottawa, Ontario, Canada K1A 0L2
J Chromatogr A 1997 **788** (1-2) 131
Rapid semi-quantitative estimation of *N*-nitrosodibutylamine and *N*-nitrosodibenzylamine in smoked hams by solid-phase microextraction followed by gas chromatography thermal energy analysis
- Sojo LE// ASL Analyt Serv Labs Ltd, 1988 Triumph St, Vancouver, Brit Columbia, Canada V5L 1K5
J Chromatogr A 1997 **788** (1-2) 87
Study of the feasibility of the use of activated carbon membranes for the on-line cleanup of vegetable extracts in the determination of *N*-methylcarbamate pesticides by liquid chromatography
- Sojo LE, Brocke A, Fillion J, Price SM// ASL Labs Ltd, 1988 Triumph St, Vancouver, Brit Columbia, Canada V5L 1K5
J Chromatogr A 1997 **788** (1-2) 141
Application of activated carbon membranes for on-line cleanup of vegetable and fruit extracts in the determination of pesticide multiresidues by gas chromatography with mass selective detection
- Sreedhar NY, Reddy PRK, Reddy GRVS, Reddy SR// Sri Venkateswara Univ, Dept Chem, Tirupati 517502, Andhra Pradesh, India
Bull Chem Soc Jpn 1997 **70** (10) 2425
Electroanalytical determination of the fungicides folpet, phosmet, and dialifos in grains and soils
- Stefani R, Buzzi M, Grazi R// Ist Agr San Michele, Lab Anal & Ric, I-38010 San Michele Adige, Trento, Italy
J Chromatogr A 1997 **782** (1) 123
Supercritical fluid extraction of pesticide residues in fortified apple matrices
- Tena MT, Rios T, Valcarcel M*, Sanchez-Alarcon M// *Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain
Chromatographia 1997 **46** (9-10) 524
Supercritical fluid extraction of organophosphorus pesticides from orange samples: Effect of solid additives on recovery
- Usleber E, Straka M, Martlbauer E// Vet Str 13, D-80539 Munich, Germany
Arch Lebensmittelhyg 1997 **48** (4) 75
Determination of tylosin in milk by reversed-phase liquid chromatography
- Velasco-Arjona A, Manclus JJ, Montoya A, Luque de Castro MD*// *Univ Cordoba, Dept Analyt Chem, E-14004 Cordoba, Spain
Talanta 1997 **45** (2) 371
Robotic sample pretreatment immunoassay determination of chlorpyrifos metabolite (TCP) in soil and fruit
- Villavicencio ALCH, Mancini J, Hartmann M, Ammon J, Delincee H*// *Chem Landesuntersuchungsanstalt, Hoffstr 3, D-76133 Karlsruhe, Germany
J Agr Food Chem 1997 **45** (11) 4215
Formation of hydrocarbons in irradiated Brazilian beans: Gas chromatographic analysis to detect radiation processing
- Wong SK, Lee WO*// *Food Control Lab, Man Kam To, New Territories, Hong Kong, Peoples Rep China
J AOAC Int 1997 **80** (6) 1332
Survey of organochlorine pesticide residues in milk in Hong Kong (1993-1995)
- Wu YS, Lee HK, Li SFY*// *Natl Univ Singapore, Dept Chem, Kent Ridge Crescent, Singapore 119260, Rep Singapore
J Chromatogr Sci 1997 **35** (11) 513
Determination of carbendazim residues in grains by solid-phase extraction and micellar electrokinetic chromatography with ultraviolet detection
- Yamaguchi S, Eto S, Eguchi Y, Kido K, Hisamatsu Y, Nakazawa H// Inst Environm Sci, Hlth Sci Sect, Tobata ku, 1-2-1 Shinke, Kitayushu, Fukuoka 804, Japan
Bunseki Kagaku 1997 **46** (11) 905
Screening analysis for multiple pesticide residues in agricultural products with the GC/MS-SCAN method (Japanese, English Abstract)
- Yoo WJ, Taylor LT*// *Virginia Polytech Inst & State Univ, Dept Chem, Blacksburg, Va 24061, USA
J AOAC Int 1997 **80** (6) 1336
Supercritical fluid extraction of polychlorinated biphenyls and organocholine pesticides from freeze-dried tissue of marine mussel, *Mytilus edulis*

9 TOXINS

- Andreou VG, Nikolelis DP*// *Univ Athens, Dept Chem, Lab Analyt Chem, Panepistimiopolis, GR-15771 Kouponia, Greece
Sensor Actuator B-Chem 1997 **41** (1-3) 213
Electrochemical transduction of interactions of aflatoxin M₁ with bilayer lipid membranes (BLMs) for the construction of one-shot sensors
- Céspedes AE, Diaz GJ// Univ Nacl Colombia, Fac Med Vet & Zootecn, Santa Fe de Bogota, Colombia

- J AOAC Int* 1997 **80** (6) 1215
Analysis of aflatoxins in poultry and pig feeds and feedstuffs used in Colombia
- De Nijs M, Van Egmond HP, Rombouts FM, Notermans SHW// *Natl Inst Publ Hlth & Environm, Microbiol Lab Hlth Protect, Lab Residue Anal, POB 1, NL-3720 BA Bilthoven, The Netherlands
J Food Safety 1997 **17** (3) 161
Identification of hazardous *Fusarium* secondary metabolites occurring in food raw materials
- Dietrich R, Mauersberger K, Martlbauer E// Univ Munich, Lehrstuhl Hyg & Technol Milch, Vet Str 13, D-80539 Munich, Germany
Arch Lebensmittelhyg 1997 **48** (4) 77
Use of the MTT test for the detection of *B. cereus* enterotoxin (German, English Abstract)
- Domagala J, Bluthgen A, Heeschen W// Univ Agr, Dept Anim Prod Technol, Krakow, Poland
Milchwissenschaft 1997 **52** (9) 484
Methods of determination of aflatoxins precursors in dairy cows' feed. II. Determination of Q-methylsterigmatocystin level in mixed feed and corn silage
- Maragos CM// USDA/ARS, Natl Ctr Agr Utilizat Res, Mycotoxin Res Unit, 1815 Nth Univ St, Peoria, IL 61604, USA
Food Agric Immunol 1997 **9** (3) 147
Detection of the mycotoxin fumonisin B₁ by a combination of immunofluorescence and capillary electrophoresis
- Maragos CM, Greer J// Address as above.
J Agr Food Chem 1997 **5** (11) 4337
Analysis of aflatoxin B₁ in corn using capillary electrophoresis with laser-induced fluorescence detection
- Pesavento M, Domagala S, Baldini E, Cucca L// Univ Milan, Ist Sci Matemat Fis & Chim, Milan, Italy
Talanta 1997 **45** (1) 91
Characterization of an enzyme linked immunosorbent assay for aflatoxin B₁ based on commercial reagents
- Schuhmacher R, Krška R*, Weingaertner J, Grasserbauer M// *IFA Tulln, Inst Agrobiotechnol, Ctr Analyt Chem, Konrad Lorenz Str 20, A-3430 Tulln, Austria
Fresenius J Anal Chem 1997 **359** (6) 510
Interlaboratory comparison study for the determination of the *Fusarium* mycotoxins deoxynivalenol in wheat and zearalenone in maize using different methods
- Scott PM, Lawrence GA// Hlth Canada, Hlth Protect Branch, Address Locator 2203D, Ottawa, Ontario, Canada K1A 0L2
J AOAC Int 1997 **80** (6) 1229
Determination of aflatoxins in beer
- Smallwood AW, Tschee CS, Satzger RD// US/FDA, Forens Chem Ctr, 1141 Cent Pkwy, Cincinnati, OH 45202, USA
J Agr Food Chem 1997 **45** (10) 3976
Basic drug screen and quantitation of five toxic alkaloids in milk, chocolate milk, orange juice, and blended vegetable juice
- Strachan NJC, John PG, Millar IG// Robert Gordon Univ, Food Sci & Technol Res Ctr, St Andrew St, Aberdeen AB25 1HG, Scotland
Food Agric Immunol 1997 **9** (3) 177
Application of an automated particle-based immunosensor for the detection of aflatoxin B₁ in foods
- Tulasi RB, Potturi P, Nadimpalli SK// *Univ Hyderabad, Prot Biochem Lab, IN-500046 Hyderabad, India
Biochem Arch 1997 **13** (4) 237
Purification of a lectin in high yield from the Indian lablab beans on goat IgM sepharose and by immunoaffinity chromatography: Evidence for the presence of endogenous lectin receptors
- Yasumoto T, Takizawa A// Tohoku Univ, Fac Agr, Aoba ku, 1-1 Tsutsumidori Amamiyamachi, Sendai, Miyagi 981, Japan
Biosci Biotechnol Biochem 1997 **61** (10) 1775
Fluorometric measurement of yessotoxins in shellfish by high-pressure liquid chromatography
- Yeoh HH, Bradbury JH*, Egan SV// *Australian Natl Univ, Div Bot & Zool, Canberra, ACT 0200, Australia
J Sci Food Agr 1997 **75** (2) 258
A simple and rapid method for isolating cassava leaf linamarase suitable for cassava cyanide determination
- 10 ADDITIVES**
- Himata K, Noda M, Ando S, Yamada Y// Yamazaki Baking Co Ltd, Cent Lab, Sumida ku 3-15-6 Chitose, Tokyo 130, Japan
Food Addit Contam 1997 **14** (8) 809
Measurement of bromate in bread by high performance liquid chromatography with post-column flow reactor detection
- Karamac M, Amarowicz R// Polish Acad Sci, Inst Anim Reprod & Food Res, Div Food Sci, Tuwima St 10, POB 55, PL-10718 Olsztyn 5, Poland
Grasas Aceites 1997 **48** (2) 83
Antioxidant activity of BHA, BHT and TBHQ examined with Miller's test
- Nevado JJB, Cabanillas CG, Flores JR, Salcedo AMC, Llerena MJV// Univ Castilla La Mancha, Dept Quim Analit & Tecnol Alimentos, E-13071 Ciudad Real, Spain
Anal Lett 1997 **30** (14) 2565
Rapid spectrophotometric method for determining erythrosine, amaranth and tartrazine in ternary mixtures
- Pesek JJ, Matyska MT// San Jose State Univ, Dept Chem, 1 Washington Sq, San Jose, CA 95192, USA
J Chromatogr A 1997 **781** (1-2) 423
Determination of aspartame by high-performance capillary electrophoresis
- Readnour RS, Coleman MR, Leadbetter MG// Elanco Anim Hlth, 2001 West Main St, Greenfield, IN 46140, USA
J AOAC Int 1997 **80** (6) 1156
Liquid chromatography determination of tilmicosin in swine feed at 200-400 mg/kg level: Interlaboratory study
- Readnour RS, Helton-Groce SL, Dixon SS// Address as above.
J AOAC Int 1997 **80** (6) 1161
Determination of tilmicosin in swine feeds by liquid chromatography
- Sayar S, Ozdemir Y// Univ Mersin, Dept Food Engr, TR-33160 Ciftlik, Mersin, Turkey
Turk J Chem 1997 **21** (3) 182
Determination of Ponceau 4R and tartrazine in various food samples by derivative spectrophotometric methods
- 11 FLAVOURS & AROMAS**
- Abellan GB, Marquina AD, Villaneuva MTO, Alvaro PC// C/ Jacinto Verdader 3 7 Izq, E-28019 Madrid, Spain
Z Lebensm Unters Forsch A-Food 1997 **205** (4) 274
Discriminant analysis of Jijona nougat qualities
- Calvey EM, Matusik JE, White KD, De Orazio R, Sha DY, Block E// US/FDA, Ctr Food Safety & Appl Nutr, Washington, DC 20204, USA
J Agr Food Chem 1997 **45** (11) 4406
Allium chemistry: Supercritical fluid extraction and LC-APCI-MS of thiosulfonates and related compounds from homogenates of garlic, onion, and ramp. Identification in garlic and ramp and synthesis of 1-propanesulfinothioic acid S-allyl ester
- Cartoni GP, Cocciolo F, Spagnoli M// Univ Roma La Sapienza, Dipt Chim, P A Moro 5, I-00185 Rome, Italy
J Chromatogr A 1997 **782** (2) 219
Analysis of ethereal extracts of wines and other alcoholic beverages by high-performance liquid chromatography with microbore columns
- De Pinho PG, Beloqui AA, Bertrand A// Univ Catolica Portuguesa, Escola Super Biotecnol, Avda Dr Bernardino Almeida, P-4200 Oporto, Portugal
Sci Aliment 1997 **17** (4) 341
Detection of a sulfur compound responsible for the typical aroma of some non *Vitis vinifera* wines (French, English Abstract)
- Faber B, Bangert K, Mosandl A// Johann Wolfgang Goethe-Univ, Inst Lebensmittelchem, Marie-Curie-Str 9, D-60439 Frankfurt, Germany
Flavour Fragr J 1997 **12** (5) 305
GC-IRMS and enantioselective analysis in biochemical studies in dill (*Anethum graveolens* L.)
- Gerbi V, Zeppa G, Antonelli A, Natali N, Carnacini A// Univ Turin, Dipt Val-Orizzaz & Protez Risorse Agrofore, I-10095 Grugliasco, TO, Italy
Sci Aliment 1997 **17** (4) 349
Multivariate analysis of composition and sensory quality criteria of white vinegars
- Green CP// Univ London, Wye Coll, Hort Res Int, Hop Res Unit, Ashford TN25 5AH, England
J Inst Brew 1997 **103** (5) 293
Use of a chromatography data system to identify varieties in binary mixtures of hops
- Guadayol JM, Baquero T, Caixach J// UPC, EUETIT, Dept Engr Quim, Colón 1, Terrassa, Barcelona, Spain
Grasas Aceites 1997 **48** (1) 1
Application of headspace techniques to the extraction of volatile organic compounds from paprika oleoresin (Spanish, English Abstract)
- Gupta S, Misra TN// *Indian Assoc Cultivation Sci, Dept Spectroscopy, Jdavpur, Calcutta 700032, India
Sensor Actuator B-Chem 1997 **41** (1-3) 199
Manganese phthalocyanine for the detection of fish freshness by its trimethylamine emission
- Hinterholzer A, Schieberle P// *Deutsche Forschung Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany
Flavour Fragr J 1998 **13** (1) 49
Identification of the most odour-active volatiles in fresh, hand-extracted juice of Valencia late oranges by odour dilution techniques
- Hofmann T, Schieberle P, Krummel C, Freiling A, Bock J, Heinert L, Kohl

- D*// *Justus Liebig Univ Giessen, Inst Angewand Phys, Heinrich-Buff-Ring 16, D-35392 Giessen, Germany
Sensor Actuator B-Chem 1997 **41** (1-3) 81
 High resolution gas chromatography/selective odorant measurement by multi-sensor array (HRGC/SOMSA): A useful approach to standardise multisensor arrays for use in the detection of key food odorants
- Ibanez E, Lopez-Sebastian S, Ramos E, Tabera J, Reglero G*// *CSIC, Inst Fermentac Ind, Juan Cierva 3, E-28006 Madrid, Spain
J Agr Food Chem 1997 **45** (10) 3940
 Analysis of highly volatile components of foods by off-line SFE/GC
- Jusino MG, Ho CT, Tong CH*// *Warner Lambert Parke Davis, 175 Tabor Rd, Morris Plains, NY 07950, USA
J Food Process Preserv 1997 **21** (5) 409
 Quantitative analysis of pyrazines in a hydrophilic solid model system
- Lu J, Cwik M// Univ Illinois, Coll Pharm, M/C 886, 833 Sth Wood St, Chicago, IL 60612, USA
J Chromatogr B 1997 **701** (1) 135
 Determination of capsaicin and zucapsaicin in human serum by high-performance liquid chromatography with fluorescence detection
- Manninen P, Kallio H// Aromtech Oy, Valtakatu 27 A, FI-94100 Kemi, Finland
J Chromatogr A 1997 **787** (1-2) 276
 Supercritical fluid chromatography gas chromatography of volatiles in cloud-berry (*Rubus chamaemorus*) oil extracted with supercritical carbon dioxide
- Mochizuki N, Kikuchi K, Ikeda M// Asahi Brewery Co Ltd, Fukushima Brewery, 1 Kami Maehata, Motomiya, Fukushima 96911, Japan
Seibutsu-Kogaku Kaishi 1997 **75** (5) 339
 Determination of enantiomers of 1,2-propanediol in beer by gas chromatography (Japanese, English Abstract)
- Moshonas MG, Shaw PE// USDA/ARS, Citrus & Subtrop Prod Res Lab, Sth Atlantic Area, 600 Ave Sth NW, POB 1909, Winter Haven, FL 33883, USA
J Agr Food Chem 1997 **45** (10) 3968
 Quantitation of volatile constituents in mandarin juices and its use for comparison with orange juices by multivariate analysis
- Musio F, Ferrara MC// PASTIS-CNRSM, SS7 Mesagne Km 7.300, I-72100 Brindisi, Italy
Sensor Actuator B-Chem 1997 **41** (1-3) 97
 Low frequency a.c. response of polypyrrole gas sensors
- Nascimento RF, Marques JC, Neto BSL, De Keukeleire D, Franco DW*// *Univ Sao Paulo, Dept Quim & Fis Mol, Avda Dr Carlos Botelho 1465, BR-13560-250, Sao Carlos, SP, Brazil
J Chromatogr A 1997 **782** (1) 13
 Qualitative and quantitative high-performance liquid chromatographic analysis of aldehydes in Brazilian sugar cane spirits and other distilled alcoholic beverages
- Nedjma M// 20 rue Danube, F-51100 Reims, France
Amer J Enol Viticult 1997 **48** (3) 333
 Influence of complex media composition, Cognac's brandy, or cognac, on the gas chromatography analysis of volatile sulfur compounds: Preliminary results of the matrix
- Ratton L, Kunt T, McAvoy T*, Fuja T, Cavicchi R, Semancik S// Univ Maryland, Dept Chem Engr, Inst Syst Res, College Park, Md 20742, USA
Sensor Actuator B-Chem 1997 **41** (1-3) 105
 A comparative study of signal processing techniques for clustering microsensor data (a first step towards an artificial nose)
- Remaud G, Debon AA, Martin YL, Martin GG, Martin GJ// Eurofins Labs, rue Pierre Adolphe Bobierre, Site Geraudiere, BP 42, F-44323 Nantes 3, France
J Agr Food Chem 1997 **45** (10) 4042
 Authentication of bitter almond oil and cinnamon oil: Application of the SNIF-NMR method to benzaldehyde
- Roberts DD, Pollien P// Nestle Res Ctr, Vers Chez les Blanc, CH-1000 Lausanne 26, Switzerland
J Agr Food Chem 1997 **45** (11) 4388
 Analysis of aroma release during microwave heating
- Rodrigues JA, Barros AA, Cruz JMM, Ferreira AA// Univ Oporto, Dept Quim, Rua Campo Alegre 687, P-4150 Oporto, Portugal
J Inst Brew 1997 **103** (5) 311
 Determination of diacetyl in beer using differential-pulse polarography
- Roscher R, Koch H, Herderich M, Schreier P, Schwab W*// *Univ Wurzburg, Lehrstuhl Lebensmittelchem, Hubland, D-97074 Wurzburg, Germany
Food Chem Toxicol 1997 **35** (8) 777
 Identification of 2,5-dimethyl-4-hydroxy-3[2H]-furanone β -D-glucuronide as the major metabolite of a strawberry flavour constituent in humans
- Sanagi MM, Hung WP, Yasir SM// Univ Teknol Malaysia, Dept Chem, Johor Bahru Johor 80990, Malaysia
J Chromatogr A 1997 **785** (1-2) 361
 Supercritical fluid extraction of pyrazines in roasted cocoa beans: Effect of pod storage period
- Sjovall O, Lapvetelainen A, Johansson A, Kallio H*// *Univ Turku, Dept Biochem & Food Chem, FIN-20014 Turku, Finland
J Agr Food Chem 1997 **45** (11) 4452
 Analysis of volatiles formed during oxidation of extruded oats
- Ulrich D, Krumbein A, Rapp A// Bundesanstalt Zuchtungsforsch Kulturpflanzen, Inst Qualitatsanalyt, Neuer Weg 22-23, D-06484 Quedlinburg, Germany
Deut Lebensm-Rundsch 1997 **93** (10) 311
 Analysis of aroma compounds in strawberry, sour cherry and tomato by gas chromatography after solid phase micro extraction (German, English Abstract)
- Vitanyi G, Lelik L, Bihatsi-Karsai E, Lefler J, Nagy-Gasztonyi M, Vereczkey G// Univ Hort & Food Ind, Cent Lab, Villanyi ut 35-43, HU-1118 Budapest, Hungary
Rapid Commun Mass Spectrom 1998 **12** (3) 120
 Detection of eritadenine in extracts from shiitake mushroom by gas chromatography/mass spectrometry
- Wada K, Shibamoto T*// *Univ Calif, Dept Environm Toxicol, Davis, Ca 95616, USA
J Agr Food Chem 1997 **45** (11) 4362
 Isolation and identification of volatile compounds from a wine using solid phase extraction, gas chromatography, and gas chromatography/mass spectrometry
- Zehentbauer G, Grosch W*// *Deutsch Forsch Anstalt, Lebensmittelchem, Lichtenbergstr 4, D-85748 Garching, Germany
Z Lebensm Unters Forsch A-Food 1997 **205** (4) 262
 Apparatus for quantitative headspace analysis of the characteristic odorants of baguettes

12 ORGANIC ACIDS

- Barden TJ, Croft MY, Murby EJ, Wells RJ*// *Australian Govt Analyt Labs, POB 385, Pymble, NSW 2073, Australia
J Chromatogr A 1997 **785** (1-2) 251
 Gas chromatographic determination of organic acids from fruit juices by combined resin mediated methylation and extraction in supercritical carbon dioxide
- Fu XY, Lu JD, Chen YZ// Zhejiang Univ, Inst Appl Chem, Hangzhou 310027, Peoples Rep China
Chem J Chinese Univ-Chinese 1997 **18** (9) 1453
 Separation and determination of organic acids in foods by capillary electrophoresis with indirect UV detection
- Mullin WJ, Emmons DB// Agr & Agri-Food Canada, Ctr Food & Anim Res, Ottawa, Ontario, Canada K1A 0C6
Food Res Int 1997 **30** (2) 147
 Determination of organic acids and sugars in cheese, milk and whey by high performance liquid chromatography

13 ANIMAL PRODUCTS

- Dobson JEF, McClure FD, Rainosek AP// Natl Marine Fisheries Serv, US Dept Commerce, Natl Ocean & Atmospher Adm, Tech Serv Branch, Gloucester, Ma 01930, USA
JAOAC Int 1997 **80** (6) 1235
 Determination of fish flesh content in frozen coated fish products (modification of AOAC Official Method 971.13): Collaborative study
- Downey G, Beauchene D// Natl Food Ctr, Dublin 15, Rep Ireland
Food Sci Technol-Lebensm Wiss 1997 **30** (7) 721
 Authentication of fresh vs. frozen-thawed beef by near infrared reflectance spectroscopy of dried drip juice
- Ellis PC, Silva ML, Lee CM// Rhode Isl Dept Hlth Labs, Food Chem Lab, 50 Orms St, Providence, RI 02904, USA
JAOAC Int 1997 **80** (6) 1347
 Statistical classification of seafood quality
- Jussila MA, Yohannes G, Riekkola ML*// *Univ Helsinki, Dept Chem, Analyt Chem Lab, POB 55, FIN-00014 Helsinki, Finland
J Microcolumn Sep 1997 **9** (8) 601
 Flow field-flow fractionation in the study of dairy products
- Matousek V, Kernerova N, Vaclavovsky J, Vejcek A// Univ Sth Bohemia, Fac Agr, Studentska 13, CR-37005 Ceske Budejovice, Czech Republic
Zivocisna Vyroba 1997 **42** (11) 511
 Analysis of meat quality in a hybrid population of pigs (Czech, English Abstract)
- Meseck NL, Gwartney BL, Calkins CR*, Miller PS// *Univ Nebraska, Dept Anim Sci, Lincoln, Ne 68583, USA
J Anim Sci 1997 **75** (12) 3169
 Influence of sample orientation of prediction of fresh ham lean content by electromagnetic scanning
- Mitchell AD, Solomon MB, Rumsey TS// USDA/ARS, Growth Biol Lab, Beltsville, Md 20705, USA
Meat Sci 1997 **47** (1-2) 115
 Composition analysis of beef rib sections by dual-energy X-ray absorptiometry
- Shirai T, Saitoh S, Onodera M, Suzuki T, Hirano T// Tokyo Univ Fisheries, Dept Food Sci & Technol, Tokyo 108, Japan

Fisheries Science 1997 63 (5) 769

Simultaneous determination of creatine and creatinine in the fish tissue extracts by high-performance liquid chromatography

Steen C, Lambelet P*// *Nestle Res Ctr, CH-1000 Lausanne 26, Switzerland
J Sci Food Agr 1997 75 (2) 268

Texture changes in frozen cod mince measured by low-field nuclear magnetic resonance spectroscopy

Swatland HJ, Haworth CR, Darkin F, Moccia RD// Univ Guelph, Dept Anim & Poultry Sci, Guelph, Ontario, Canada N1G 2W1

Food Res Int 1997 30 (2) 141

Fiber-optic spectrophotometry of raw, smoked and baked Arctic charr (*Salvelinus alpinus*)

14 PLANT & MICROBIAL PRODUCTS

Ayala F, Echavarri JF, Negueruela AI*// *Univ Zaragoza, Dept Fis Aplicada, Miguel Servet 177, E-50013 Zaragoza, Spain

Amer J Enol Viticult 1997 48 (3) 357

A new simplified method for measuring the color of wines. I. Red and rose wines

Ayala F, Echavarri JF, Negueruela AI*// *Address as above.

Amer J Enol Viticult 1997 48 (3) 364

A new simplified method for measuring the color of wines. II. White and brandies

Baldwin PM, Bertrand D, Novalés B, Bouchet B, Collobert G, Gallant DJ*// *INRA, Ctr Rech Nantes, Lab Technol Appl Nutr, F-44316 Nantes 03, France
Anal Chem 1997 69 (21) 4339

Chemometric labeling of cereal tissues in multichannel fluorescence microscopy images using discriminant analysis

Barnes KA, Smith RA, Williams K, Damant AP, Shepherd MJ// MAFF, CSL Food Sci Lab, Norwich Res Park, Colney Lane, Norwich NR4 7UQ, England
Rapid Commun Mass Spectrom 1998 12 (3) 130

A microbore high performance liquid chromatography/electrospray ionization mass spectrometry method for the determination of the phytoestrogens genistein and daidzein in comminuted baby foods and soya flour

Berardo N, Dzwowela BH, Hove L, Odoardi M// Ist Sperimentale Cerealicoltura, via Stezzano 24, IT-24126 Bergamo, Italy
Anim Feed Sci Tech 1997 69 (1-3) 201

Near infrared calibration of chemical constituents of *Cajanus cajan* (pigeon pea) used as forage

Cairns P, Morris VJ, Singh N, Smith AC*// *AFRC Inst Food Res, Norwich Lab, Norwich Res Pk, Norwich NR4 7UA, England
J Cereal Sci 1997 26 (2) 223

X-ray diffraction studies on extruded maize grits

Castane FX// Address not available.

J Inst Brew 1997 103 (6) 355

Determination of moisture, total available extract and soluble extract in spent grains (Committee Report)

Castane FX// Address not available.

Monatsschr Brauwissen 1997 50 (9-10) 182

Determination of moisture, total available and soluble extract in spent grains

Chevolléau S, Gasc N, Rollin P, Tulliez J// INRA, Lab Xenobiot, BP 3, F-31931 Toulouse 9, France

J Agr Food Chem 1997 45 (11) 4290

Enzymatic, chemical, and thermal breakdown of ³H labeled glucobrassicin, the parent indole glucosinolate

Collins TS, Miller CA, Altria KD, Waterhouse AL*// *Univ Calif, Dept Viticulture & Enol, Davis, Ca 95616, USA

Amer J Enol Viticult 1997 48 (3) 280

Development of a rapid method for the analysis of ethanol in wines using capillary electrophoresis

Downey G, Briandé R, Wilson RH, Kemsley EK// Teagasc, Natl Food Ctr, Dublin 15, Rep Ireland

J Agr Food Chem 1997 45 (11) 4357

Near- and mid-infrared spectroscopies in food authentication: Coffee varietal identification

Gil MJ, Callejo MJ*, Rodríguez G// *Escuela Tecn Super Ingn Agron, Dept Tecnol Alimentos, Ciudad Univ s/n, E-28040 Madrid, Spain

Z Lebensm Unters Forsch A-Food 1997 205 (4) 268

Effect of water content and storage time on white pan bread quality: Instrumental evaluation

Herrero M, Jessop NS, Fawcett RH, Murray I, Dent JB// Univ Edinburgh, Inst Ecol & Resource Management, W Mains Rd, Edinburgh EH9 3JG, Scotland

Anim Feed Sci Tech 1997 69 (1-3) 281

Prediction of the *in vitro* gas production dynamics of kikuyu grass by near-infrared reflectance spectroscopy using spectrally-structured sample populations

Holland JK, Kemsley EK, Wilson RH// AFRC Inst Food Res, Norwich Lab, Norwich Res Pk, Norwich NR4 7UA, England

J Sci Food Agr 1997 75 (3) 391

Transfer of spectral data between Fourier-transform infrared spectrometers for use in discriminant analysis of fruit purees

Kays SE, Barton FE, Windham WR, Himmelsbach DS// USDA/ARS, Richard B Russell Agr Res Ctr, POB 5677, Athens, Ga 30604, USA

J Agr Food Chem 1997 45 (10) 3944

Prediction of total dietary fiber by near-infrared reflectance spectroscopy in cereal products containing high sugar and crystalline sugar

Kitada Y, Okayama A, Imai S, Nakazawa H, Boki K// Nara Prefectural Inst Publ Hlth, 57-6 Ohmori cho, Nara 630, Japan

Jpn J Toxicol Environ Health 1997 43 (5) 274

Analysis of soluble dietary fiber by electrophoresis and high performance liquid chromatography in soft drinks

Kulomaa A, Siren H, Riekkola ML*// *Univ Helsinki, Dept Chem, Analyt Chem Lab, POB 55, FIN-00014 Helsinki, Finland

J Chromatogr A 1997 781 (1-2) 523

Identification of antioxidative compounds in plant beverages by capillary electrophoresis with the marker index technique

Leca B, Marty JL// Univ Perpignan, Ctr Phytopharm-UA CNRS 461, 52 ave Villeneuve, F-66860 Perpignan, France

Biosens Bioelectron 1997 12 (11) 1083

Reagentless ethanol sensor based on a NAD-dependent dehydrogenase

Luthria DL, Jones AD, Donovan JL, Waterhouse AL// Univ Calif, Dept Viticulture & Enol, Davis, Ca 95616, USA

J High Res Chromatogr 1997 20 (11) 621

GC-MS determination of catechin and epicatechin levels in human plasma

Macnish AJ, Joyce DC, Shorter AJ// Univ Queensland, Gatton Coll, Dept Plant Prod, St Lucia, Qld 4345, Australia

Aust J Exp Agr 1997 37 (6) 709

A simple non-destructive method for laboratory evaluation of fruit firmness

Naik JP, Nagalakshmi S// Cent Food Technol Res Inst, Mysore 570013, Karnataka, India

J Agr Food Chem 1997 45 (10) 3973

Determination of caffeine in tea products by an improved high-performance liquid chromatography method

Park RS, Gordon FJ, Agnew RE, Barnes RJ, Steen RW// Agr Res Inst Nthn Ireland, Hillsborough BT26 6DR, Northern Ireland

Anim Feed Sci Tech 1997 68 (3-4) 235

The use of near infrared reflectance spectroscopy on dried samples to predict biological parameters of grass silage

Prodromidis MI, Tzouwara-Karayanni SM, Karayannis MI*, Vadgama PM// *Univ Ioannina, Analyt Chem Lab, GR-45110 Ioannina, Greece

Analyst 1997 122 (10) 1101

Bioelectrochemical determination of citric acid in real samples using a fully automated flow injection manifold

Reeves JB// USDA/ARS, Nutrient Conservat & Metab Lab, Beltsville, Md 20705, USA

J Dairy Sci 1997 80 (10) 2454

The use of mid infrared diffuse reflectance spectroscopy to determine quantitatively the chemical composition of tall fescue

Runkel M, Moeller A, Tegtmeier M, Willigmann I, Legrum W*// *Univ Marburg, Inst Pharmacol & Toxicol, Karl von Frisch Str, D-35033 Marburg, Germany

Fresenius J Anal Chem 1997 359 (6) 516

Detection of scopolin in the grapefruit (*Citrus paradisi* Macf)

Sharpe FR// Address not available.

J Inst Brew 1997 103 (5) 277

Collaborative determination of beer foam stability by Rudin and Nibem (Committee Report)

Soleas GJ, Dam J, Carey M, Goldberg DM*// *Univ Toronto, Banting Inst, Dept Clin Biochem, 100 Coll St, Toronto, Ontario, Canada M5G 1L5

J Agr Food Chem 1997 45 (10) 3871

Toward the fingerprinting of wines: Cultivar-related patterns of polyphenolic constituents in Ontario wines

Soleas GJ, Diamandis EP, Karumanchiri A, Goldberg DM*// *Address as above.

Anal Chem 1997 69 (21) 4405

A multiresidue derivatization gas chromatographic assay for fifteen phenolic constituents with mass selective detection

Suarez AM, Azcona JI, Rodríguez JM, Sanz B, Hernandez PE// Univ Complutense, Dept Nutr & Bromatol 3, ES-28040 Madrid, Spain

Appl Environ Microbiol 1997 63 (12) 4990

One-step purification of nisin A by immunoaffinity chromatography

Tomlinson JW, Kilmartin PA// Univ Victoria, Dept Chem, Wellington, New Zealand

J Appl Electrochem 1997 27 (10) 1125

Measurement of the redox potential of wine

Walker JC, Zaugg SE, Walker EB*// *Weber State Coll, Ctr Chem Technol, 2503 Univ Circle, Ogden, Ut 84408, USA

J Chromatogr A 1997 781 (1-2) 481

Analysis of beverages by capillary electrophoresis