



# Bibliography on analytical food chemistry

## 2 GENERAL

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DEUT LEBENSM-RUNDSCH 1991, 87 (11) 353  
Options for a European system of qualified food control laboratories - Accreditation, GLP, standardization (German, English Abstract)

## 3 AMINO ACIDS, PROTEINS & ENZYMES

Penthaler JM//Inst Biol 2, Schanzlestr 1, W-7800 Freiburg, FRG  
J CHROMATOGR 1991, 587 (1) 101  
Analysis of alanine and aspartate aminotransferase isoforms in mustard (*Sinapis alba* L.) cotyledons

Konishi Y, Horikawa K, Oku Y, Azumaya J, Nakatani N//Osaka City Univ, Fac Sci Living, Dept Food & Nutr, 3-3-138 Sugimoto, Sumiyoshi ku, Osaka 558, Japan  
AGR BIOL CHEM TOKYO 1991, 55 (11) 2745  
Extraction of 2 albumin fractions from amaranth grains - Comparison of some physicochemical properties and the putative localization in the grains

Monastero E, Deutsch W, Ellero M//Consulente Chim Settore Alimentare, via Capri 10-2, I-39100 Bolzano, Italy  
IND ALIMENT 1991, 30 (297) 817  
Apricot characterization with contribution of amino acids analysis (Italian, English Abstract)

Larre C, Popineau Y, Loisel W//INRA, Biochim & Technol Proteines Lab, rue Geraudiere, BP 527, F-44026 Nantes 03, France  
J CEREAL SCI 1991, 14 (3) 231  
Fractionation of gliadins from common wheat by cation exchange FPLC

Esnault MA, Merceur A, Citharel J//Fac Sci Rennes, Physiol Vegetale Lab, Campus Beaulieu, F-35042 Rennes, France  
PLANT PHYSIOL BIOCHEM 1991, 29 (6) 573  
Characterization of globulins of yellow lupin seeds

Marshall HF, Conkerton EJ//USDA ARS, Rice Res, Route 7, Box 999, Beaumont, Tx 77713, USA  
J ASSN OFFIC ANAL CHEM 1991, 74 (6) 918  
Analytical evaluation of the globulin proteins of cottonseed meals

Singh NK, Shepherd KW, Cornish GB//Cent Food Technol Res Inst, Dept Food Chem, Mysore 570013, Karnataka, India  
J CEREAL SCI 1991, 14 (3) 203  
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Fukamizo T, Ikeda Y, Torikata T, Araki T, Kuramoto M, Goto S//Kinki Univ, Fac Agr, Dept Biophys Chem, 3327 204 Nakamachi, Nara 631, Japan

J BIOCHEM TOKYO 1991, 110 (6) 997  
<sup>1</sup>H-NMR study on the structure of lysozyme from guinea hen egg white

Goff JP, Reinhardt TA, Sung L, Hollis BW//Natl Anim Dis Ctr, Metab Dis & Immunol Res Unit, POB 70, Ames, Ia 50010, USA  
ENDOCRINOLOGY 1991, 129 (6) 2815  
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CHROMATOGRAPHIA 1991, 32 (9-10) 463  
Analysis of the soluble proteins in grape musts by reversed-phase HPLC

Hussain A, Scanlon MG, Bushuk W//Univ Manitoba, Dept Food Sci, Grain Ind Res Grp, Winnipeg, Manitoba, Canada R3T 2N2  
J FOOD QUAL 1991, 14 (5) 367  
Bean quality - Changes in HPLC profiles of acetic acid-extractable proteins during storage

Notzold H, Kretschmar R, Ludwig E//Tech Univ Dresden, Inst Lebensmittelchem & Tech Biochem, Chem Abt, Mommsenstr 13, O-8027 Dresden, FRG  
NAHRUNG 1991, 35 (9) 969  
Contribution to the determination of protein hydrophobicity. 1. Determination of the hydrophobicity of selected cereal and milk proteins using their sodium dodecylsulphate binding capacities

Notzold H, Kretschmar R, Ludwig E//Tech Univ Dresden, Inst Lebensmittelchem & Tech Biochem, Chem Abt, Mommsenstr 13, O-8027 Dresden, FRG  
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Contribution to the determination of protein hydrophobicity. 2. Determination of protein-bound sodium dodecylsulphate using ultracentrifugation experiments

Seifert A, Strenge K, Schultz, Schmandke H//Cent Inst Nutr, Arthur Scheunert Allee 114-116, O-1505 Bergholz, FRG  
NAHRUNG 1991, 35 (9) 989

Determination of stability of food emulsions. 1. The influence of the type and concentration of protein on creaming stability determined by analytical ultracentrifugation

Sievert D, Sapirstein HD, Bushuk W//Univ Manitoba, Dept Food Sci, Winnipeg, Manitoba, Canada R3T 2N2

As a service to subscribers of Food Chemistry, this bibliography contains newly published material in the field of analytical food chemistry. 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 & Chemical 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 subject. Where there are no papers to appear under a heading, it will be omitted

J CEREAL SCI 1991, 14 (3) 243

Changes in electrophoretic patterns of acetic acid-insoluble wheat flour proteins during dough mixing

Ukishima Y, Kino M, Kubota H, Wada S, Okada S//Shizuoka Prefectural Numazu Publ Hlth Ctr, 1-3 Takashimahoncho, Numazu 410, Japan

J ASSN OFFIC ANAL CHEM 1991, 74 (6) 943

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Walker M, Stevens L\*, Duncan D, Price NC, Kelly SM//\*Univ Stirling, Dept Biol & Molec Sci, Stirling FK9 4LA, Scotland

COMP BIOCHEM PHYSIOL PT B 1991, 100 (1) 77

A comparative study of the structure of egg-white riboflavin binding protein from the domestic fowl and Japanese quail

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Mann JD, Lammerink JP, Coles GD//DSIR, Christchurch, New Zealand

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Predicting potato crisp darkening - 2 methods for analysis of glucose

Kulicke WM, Kaiser U, Schwengers D, Lemmes R//Univ Hamburg, Inst Tech & Makromolek Chem, Bundesstr 45, W-2000 Hamburg 13, FRG

STARCH 1991, 43 (10) 392

Measurements of the refractive index increment on hydroxyethyl starch as a basis for absolute molecular weight determinations

Lai HM, Schmidt SJ//\*Univ Illinois, Div Foods & Nutr, 367 Bevier Hall, 905 S Goodwin Ave, Urbana, IL 61801, USA

J AGR FOOD CHEM 1991, 39 (11) 1921

Proton, deuterium, and oxygen-17 nuclear magnetic resonance relaxation studies of lactose water and sucrose water systems

Laurinavichyus VA, Kurtinaitene BS, Guryavichene VV, Kulis YY// Acad Sci, Inst Biochem, Vilnius, Lithuania

J ANAL CHEM USSR-ENGL TR 1991, 46 (4) 590

Determination of lactose in milk with an enzyme electrode

Adhikari AK, Sahai D, Mathur ON//Natl Dairy Res Inst, Div Dairy Chem, Karnal 132001, Haryana, India

LAIT 1991, 71 (5) 555

A rapid spectrophotometric method for quantitative determination of lactulose in heated milk and milk products

Vinkx CJA, Van Nieuwenhove CG, Delcour JA//Katholieke Univ Leuven, Toegepaste Organ Scheikunde Lab, Kardinaal Mercierlaan 92, B-3001 Heverlee, Belgium

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Physicochemical and functional properties of rye nonstarch polysaccharides. 3. Oxidative gelation of a fraction containing water-soluble pentosans and proteins

Karkalas J//Univ Strathclyde, Dept Biosci & Biotechnol, 131 Albion St, Glasgow G1 1SD, Scotland

J CEREAL SCI 1991, 14 (3) 279

Automated enzymic determination of starch by flow injection analysis

Magel E//Tech Univ Munich, Lehrstuhl Bot & Mikrobiol, Arcisstr 21, W-8000 Munich 2, FRG

STARCH 1991, 43 (10) 384

Qualitative and quantitative determination of starch by a colorimetric

## method

Wasserman BP, Timpa JD//Rutgers State Univ, Cook Coll, New Brunswick, NJ 08903, USA

STARCH 1991, 43 (10) 389

Rapid quantitative measurement of extrusion-induced starch fragmentation by automated gel permeation chromatography

Benetti G, Cavalli S, Renzetti R//Ilsud Spa, C San Martino 1, I-65013 Citta S Angelo, Italy

IND ALIMENT 1991, 30 (297) 845

HPLC determination of sugars in licorice roots and extracts with ion-exchange column and integrated amperometric detector (Italian, English Abstract)

Martin GJ, Danho D, Vallet C//Univ Nantes 2, Rmn & React Chim Lab, CNRS, UA 472, rue Houssiniere, F-44072 Nantes, France

J SCI FOOD AGR 1991, 56 (4) 419

Natural isotope fractionation in the discrimination of sugar origins

Matsuo N, Yoshida S, Kusakabe I\*, Murakami K//\*Univ Tsukuba, Inst Appl Biochem, Tsukuba, Ibaraki 305, Japan

AGR BIOL CHEM TOKYO 1991, 55 (11) 2905

Chemical structure of xylan in cotton-seed cake

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Lane RH, Smathers JL//Univ Alabama, Dept Human Nutr & Hospital Management, Tuscaloosa, AL 35487, USA

J ASSN OFFIC ANAL CHEM 1991, 74 (6) 957

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Bartle CM//DSIR, Phys Sci Grp, Nucl Sci Grp, POB 31312, Lower Hutt, New Zealand

APPL RADIAT ISOT-INT J RAD A 1991, 42 (11) 1115

Simultaneous transmission of neutrons and gamma rays (NEUGAT) to measure fat in meat

Beltran A, Moral A//Ciudad Univ, Inst del Frio, E-28040 Madrid, Spain

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J FOOD PROTECT 1991, 54 (11) 890

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Sato T, Kawano S, Iwamoto M//MAFF, Natl Food Res Inst, Div Anal & Nutr, 2-1-2 Kannondai, Tsukuba, Ibaraki 305, Japan

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Hanras C, Perrin JL\*//Inst Corps Gras, rue Monge, Parc Ind, F-33600 Pessac, France

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 Determination of biotin and folic acid in vitamin-containing foods by competitive binding protein assays (CBPA) and enzyme immunoassays (ELISA) (German, English Abstract)
- Manorama R, Rukmini C//\*Natl Inst Nutr, Indian Council Med Res, Jamai-Osmania PO, Hyderabad 500-007, India  
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 Effect of processing on beta-carotene retention in crude palm oil and its products
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- Vanderslice JT, Higgs DJ//USDA ARS, Beltsville Agr Res Ctr, Nutrient Composit Lab, Bldg 161, Room 202, 10300 Baltimore Ave, Beltsville, Md 20705, USA  
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 Analysis of chromic oxide in small samples of feeds and feces using chlorine bleach
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- Hu B, Jiang ZC\*, Zeng Y//\*Wuhan Univ, Dept Chem, Whan 430072, Peoples R China  
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- Hendrikse PW, Dieffenbacher A, Bearetgers J, Pocklington WD, Kucz E, Zwerenz G, Bruschweiler H, Fedeli E, Hashimoto T, Holmer G et al//Willem Zwijgerlaan 29, 3136 AR Vlaardingen, The Netherlands  
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*BIOL MASS SPECTROM* 1991, 20 (12) 763  
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- Norman KNT//MAFF, Cent Sci Lab, London Rd, Slough SL3 7HJ, England  
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