

A.A.C.C. (1983) .

Approved methods of the America association of cereal chemists.

St. paul, Mn., U.S.A

A.A.C.C. (1987) .

Approved methods of the American Association of cereal chemists published by American Association of cereal chemists. Ins. St. paul, Minnestoa, U.S.A.

Abd El-Daim, Y.A. (1986) .

"Studies on certain characteristics of the bread produced from some bakaries" .

M.Sc. Thesis, Faculty of agriculture, Ain Shams University, Egypt.

Abd El-Hamid, N.A. (1976) .

Effect of enriching wheat flour with cereal and non-cereal flours on nutritive value and the baking quality of the bread.

M.Sc. Thesis, Faculty of Agriculture, Ain Shams University, Egypt.

Anderson, J.W. (1986) .

Fiber and Health.

Am. J. Gastroenterol 81:892.

Anon, (1976) .

The practice of flour milling (vol.1.) Inc.

National Association of British and Irish millers limited.

A.O.A.C. (1980) .

Association of official analytical chemists, "official methods of analysis". 13 th addition washington.

Asp, N.G. (1978) .

Critical evaluation of some suggested methods for assay of dietary fiber. Page 21 in: Dietary fiber: Current development of importance to health. K.W. Heaton, ed. John wiley. London.

Asp, N.G. and Johansson, C.G. (1981) .

Techniques for measuring dietary fiber: by different techniques page, 173 in: W.P.T. James and O. theander. Eds. Marcel Dekker. Inc. New Yoork.

Baker, D. (1977) .

Determining fiber in creals.

Creal chem., 54 : 360

Barber, S., Bendtto de Barber C., and Tortosa E. (1981) .

Theory and practice of rice by-products utilization .

Ibid., 61 (1): 14-19 (1984).

Barhoma, M.A.; Atwa, M.F.H. and Hassan, S. (1990) .

Effect of orelon and brominal on the chemical and technological properties of wheat grain.

Minufya J. Agric. Res., 15(2) : 2177.

Bloksma, A.H. (1973) .

Rheology and chemistry of dough p. 566

wheat chemistry and tecgnology.

Burkitt, D.P. (1969) .

Lancet 2. 1229.

Cited from J. Sci. Fd Agric. (1974). 25, 1523-1527.

Burkitt, D.P. and Trowell, H.C. (1975) .

Refined Carbohydrate foods and disease . The implication of dietary fiber.

London : Academic press, pp. 335-342.

Burkitt, D.P., Walker A.R. and painter, N.S. (1972) .

Effect of dietary fiber on stools and transit times and its role in the causation of disease.

Lancet, 2: 1408.

Cadden, A.M. (1986) .

Effects of particle size in bread making on physiological responses of meal fed rats to AACC wheat bran

J. Food Sci; 51 : 188.

Chen, W.J.;L., and Anderson, J.W.(1986) .

**Hypocholesterolemic effects of soluble fibers. In dietary fibers
basic and clinical Aspects.**

Ed.G. Vahouny and kritchevsky. Plenum press, New York.

**Chen, H., Ruben thaler; G.L.; Leung, H.K., and baranowski, J.D.
(1987) .**

Chemical, physical and baking properties of apple fiber .

Cereal Chem., 64,(2), 20-25.

Chen, H., Ruben thaler, G.L. and schanus, E.G. (1988) .

**Effect of apple fiber and cellulose on physical properties of
wheat flour.**

J. Food Sci., 53 : 304

Childs, E., and Abajian, A. (1976) .

**“Physicochemical characterization of peanut hull as a
potential fiber additive.”**

J. Food Sci, 41, 1235 – 1236

Collins, J.L., and post, A.R. (1981) .

Peanut hull flour as a potential Source of dietary fiber.

Ibid., 46, 445 –448.

Crampton, E.W. and Harris, L.E. (1969) .

Applied animal nutrition.

Freeman and company sanfrancesco 535 , 558.

Cummings, J.H.(1978) .

Nutritional implications of dietary fiber.

Am. J. Clin. Nutr., 31 :521.

————— (1985) .

Cancer of the large bowel in dietary fiber. Fiber depleted foods and disease.

Academic Press. New York.

Daftary, R.D.; pomaranze, Y.; and Souer, D.B. (1970) .

Changes in wheat flour damaged by molds during storage.

Effect of lipid lipoprotein and protein.

J. Agric. Fd. chem., 18:613.

Day, W.C. and Erdman, J.G. (1963) .

Ionene: A thermal degradation product of β -Carotene.

Science, 141 , 808.

Dick, J.W.; Shuey, W.C. and Banasik, D.J.(1977) .

Adjustment of rheological properties of flours by fine grinding and air classification.

Cereal chem., 54 (2) : 246-255.

Dubois, M.; Gilles,K.A.; Hamilton , J.K.; Rebers, P.A.; and Smith, F. (1956) .

Colorimetric method for determination of sugars and related substances.

Analyt. Chem., 28, 350 – 356.

Egyption Standard (1991) .**“Wheat flour different extraction .”****Cereals and cereal products – determination of moisture content .****Cereals, pulses and derived products – determination of ash .****No . 1251 / 1991****El-Bardeny, A.E. (1995) .****Chemical and physical studies on flour mill streams : 1. Break flours.****Egypt. J. food sci, (23) No. 1:2 , 1-9 .****El-Farra, A.A.; Mostafa, M.M. and El-Manawaty. H.K. (1985) .****Baking quality of barley flour.****Ibid., 13(2): 129 - 136.****El-Kassabany, M.; and Hosney , R.C. (1980) .****Ascorbic acid as an oxidant in wheat flour dough : Its rheological effects.****Cereal chem., 57(2) : 88 – 91 .**

El-Kassabany, M.; Hosney, R.C. and Seib, P.A. (1980) .

**“Ascorbic acid as an oxidant in wheat flour dough :
conversion to dehydro ascorbic acid.”**

Ibid., 57(2) : 85 – 87.

El-Sabe, .M.A. (1995) .

**Effect of semolina particles size on Macaroni, quality and
nutritive value.**

**M.Sc. Thesis, Fac. Of Agric. at Moshtohor, Zagazig Univ.
Egypt .**

El-Sayed, H.M.A. (1998) .

Biochemical studies on wheat milling by-products.

**M.Sc. Thesis , Faculty of Agric., at Moshtohor, Zagazig Univ.
Egypt.**

Englyst, H.N. and Cummings J.H. (1987) .

**Digestion of polysaccharides of potato in the small intestine
of man.**

Am. J. clin. Nutr., 45: 423-431.

Faheid, S.M.M.(1992) .

**Application of sieve fractionation on wheat flours to improve
different quality characteristics for bread – making .**

Egypt. J. Food Sci., 20 (1) 159 – 173.

**Foda, R.H. Mahmoud; Neverty F.Gamal and S.Y. kerrolles
(1987).**

Special bread for Body-weight control.

**Annals agricultural science , Fac Agric. Ain Shams Univ.
Cairo , Egypt . (32), (1), 397-407 .**

Forsythe, W.A., Chenoweth W.L. and Bennik M.R. (1976) .

**The effect of various dietary fibers on serum cholesterol and
laxation in the rat.**

J. Nutr., 106: 26

Frolich, W. and Hestagen, B. (1982) .

Dietary fiber content in different cereal products in norway.

Cereal chem., Vol. 60 No. 1.

Graf, E. (1986) .

Chemistry and applications of phytic acid.

Ed. P. patus press, Minneapolis, Mn.

Grant, D.R., and sood, U.K. (1980) .

**Note on the antioxidant effect of ascorbic acid on flour free
fatty acids.**

Cereal chem., 57(3) : 231 – 232.

Graveland, A., Bosveld, P., Lichtendonk, W.J., Morseille, J.P.,

Moonen, J.H.E., and Scheepstra, A. (1985).

A model for the molecular structure of the glutenins from wheat flour.

Ibid. 3:1.

Hafez, A.S. (1996).

Effect of adding defatted soy flour on the chemical composition and physical properties of bread.

Egyptian Journal Agriculture Research, 74 (2).

Halaby, G.A. and Fagerson, I.S. (1971).

Formation of two thermal degradation products of β -carotene.

J. Agric. Food. Chem., 30, 1147.

Harland, B.P. and Harland, J. (1980).

Fermentive reduction of phytate in Rye, white and whole wheat breads.

Cereal chem. 57(3) 226 - 229.

Heaton, K.W. (1973).

Food fiber as an obstacle to energy intake.

Lancet, 2 : 1418

Heaton, K.W. (1975) .

Ninth symposium on advanced medicine.

**Edited by walker, G. Gallston formation in London : Pitman
Medical. PP. 363 –378.**

Hellendoorm, E.W. (1981) .

Dietary fiber or indigestible residue .

Am. J. Clin. Nutr., 34: 1437.

**Hinneken, H.; Gooris, A. ; Carlier,, M.; vandegans , J and
Jacqmain, o. (1976) .**

**Degradation thermique du B-Carotene dans l'huile de
plume. Etude des produits volatils.**

Rev. Fr. Corps gras. 25, 609.

His – Mei, and chang-Yili (1996) .

**The effects of α -amylase and ascorbic acid in bromate- free
breadmaking.**

**Journal of the chaineese Agricultural chemical society, 34 (5)
518, 534 .**

Humpolikova, P. and Hampl,J. (1988) .

**Effect of L-ascorbic acid on quality of finished bakery
products .**

(C.F) FST A vol. 22 (1990) No 8.

Humpolikova, P. and Hampl, J. (1990) .

Effect of L-ascorbic acid on quality of finished bakery products.

(C.F) FSTA vol 22 (1990) No. 8

Hussein, E.H. (1990) .

Chemical and technological studies on cereal and their products.

M. Sc. Thesis , Faculty of Agric., Mansoura Univ., Egypt.

Ibrahim, O.S. (1988) .

Effect of some additives on wheat flour dough and bread characteristics.

M. Sc. Thesis, Fac. Of Agric., Cairo Univ., Egypt .

IFT. (1979) .

Dietary fiber – A scientific statuts summary by the institute of food technologists expert panel on food safety and nutrition and the committee on puplic information.

Food technol., 33 (1) : 35.

Ikan, R.; Aizenshtat, Z.; Baedecker, M..J. and Kaplan, I.R.

(1975).

Thermal alteration experiments on organic matter in recent marine sediments.

Geochim. Cosmochim. Acta. 39, 173.

Janssen, A.M.; vereyken, J.N.; and vliet, T.V. (1991) .

**Rheological studies on gluten. In Gluten proteins.
Am. Assoc. cereal chem. St. paul, Mn. U.S.A.**

Kanasawad, P. and Crouzet, J.C. (1990) .

**Mechanism of formation of volatile compounds by thermal
degradation of carotenoids in aqueous medium. I. β -carotene
degradation.**

J. Agric. Food chem., 38, 237.

Kathryn R. o'sullivan and susans. M. (1998) .

**Chofiber recommendations throughout the world inter-
national .**

Journal of food sciences and Nutrition, 49, S13 -S21.

Kelsay, J.L. (1978) .

A Review of research on effects of fiber intake on man.

Am. J. clin, Nutr., 31 : 142.

Kent-Jones, D.W. and Amos, A.J.(1967) .

Modern cereal chemistry.

6 th Ed., Eddition food trade press, London, England.

Kent, N.L. (1983) .

Technology of cereals.

Pergman press third Eddition.

Kerr, R.W.; Cleveland, F.C.; and Katzbeck, W.J.(1951) .

The action of amyloglucosidase on amylose and amylopectin.

J. Am. Chem. Soc., 73: 3916-21.

Kim, S.K., and chang, H.K. (1983) .

physiochemical studies on baking properties on the soft wheat flour .

(Lecture) proceedings of the 6 th International congress of food Science and Technology 2, 126-127. c.f., F.S.T.A., Vol. 16 (1984) , No. 9M, 1072.

Kramer, A. and Twig, B.A. (1974) .

Fundamentals of quality control for the food industry.

The avipublishing company, Inc., Westport, Connecticut. PP. 218-223.

Lillian, L. (1995) .

Oxidants, Antioxidant and disease prevention, p. 5 ILSI pub.

Lolas, G.M., and Markakis, p. (1975) .

Phytic acid and other phosphorus compounds of beans (phaseolus vulgaris L.)

J. Agric . Food chem., 23 : 13-15 .

Lopez Y.; Gordin , D.; and fields, M.L (1981) .

Release of phosphorous from phytate by natural lactic acid fermentation .

J. food Sci., 48: 953-954.

Nagwa, M.M.; Shalaby, Amer M.S.; and Ahmed R.A.M. (1994) .

A survey study on the starch, protein and lipids of vegetative parts of corn plants in comparison with those in corn grain.

Egypt. J. food Sci., vol 22. No1. PP. 165-172.

Nayini, N.R. and Markakis, P. (1983) .

Effect of fermentation time on the inositol phosphates of bread.

J. Food Sci. 45: 262.

Nelson, C.A., and Loving , H.J. (1963) .

Mill stream analysis its importance in milling special flours.

Cereal sci. today 8 : 301.

Nilson, T. (1987) .

Charbohydrate composition during long term storage of carrots as infulenced by the time of harvest.

J. of Hort. Sci., 62 (2) : 191 – 203.

Nyman M. Silijestron M., Pedersen, B., Bach knudsen K.E., Asp.

N.G., Johansson C.G. and Eggum, B.O. (1984) .

Dietary fiber content and composition in six cereals at different extraction rates.

Cereal chem., 61. 14-19.

O'Dell, B.L.; De-Boland, A.R. and Koirtyohann, S.R. (1972) .

Distribution of phytate and nutritional important among the morphological components of cereal grains

J. Agric. Food. Chem., 20(3): 772.

Onyewn, P.N.; Daun, H. and Ho, C. (1982) .

Formation of two thermal degradation products of β -carotene.

Ibid. 30, 1147.

Orr, P.H., Toma, R.B. Persky, B. and Tabekhia. M.M. (1980) .

Effect of peeling procedure on the ultra-structure of potato peels.

Am. Potato. J., 57 : 115 -130.

Ouyang, J.; Doun, H.; Chang, S. and Ho., C.t. (1980) .

Formation of carbonyl compounds from- β - carotene during palm oil deodorization.

J. Food. Sci., 43, 1214.

Park,H.; Seib, P.A., Chung, o.k., Seitz., L.M. (1997) .

Fortifying bread with each of three antioxidants.

Cereal chem., 74 (3) 202-206

Pearson, D. (1976) .

The chemical Analysis of Food 7 th ed. Churchill, london, U.K.

Polizzoto, L.M.; Tinsley, A.M. and Weber C.W. and Berry, J.W.
(1982).

Dietary fibers in cereals.

J. Food Sci., 47. 111-118.

Polizzoto, L.M.; Tinsley, A.M. and Weber C.W. and Berry, J.W.
(1983).

Dietary fiber in muffins

Ibid., 48 : 111.

Pomeranz, Y. (1971).

“wheat chemistry and technology”

A.A. C.C. Inc., St. Paul, Minnesota, U.S.A

Pomeranz, Z.Y.; Shogren, M.D.; Finney, K.F.; and Bechtel, B.
(1977).

Fiber in bread making, effects on functional properties

Cereal chem., 54 : (1) 25 – 41.

Posner, E.S., and Deyoe, C.W. (1986).

**Changes in milling properties of newly harvested hard wheat
during storage.**

Ibid. 63 (5) : 451.

**Prosky, L., ASP N.G, Furda I., De vries J.W., schweizer T.F. and
Harland BF. (1984).**

**Determination of total dietary fiber in foods, food products,
and total diets, in laboratory study.**

J. Assn. of Anal. Chem. 67: 1044-52.

Pylar, E.J. (1988) .

Baking science technology

3 ed, vol II. Socland pub. Co.U.S.A. Kansas.

Ranhotra, G.S. Loewe, R.J. and puyat L.V. (1974) .

Effect of dietary phytic acid on the availability of iron and phosphorous.

Cereal chem., 51 : 323.

Ranhotra, G.S., Gelroth, J.A. and Bright, P.H.(1988) .

Effect of source of fiber in bread on intestinal responses and nutrient digestibilities.

Ibid. 65 : 59

Reddy, N.R., Palmer, J.P.; Pierson; M.D; Bothast, R. J. (1983).

Wheat straw hemicellulose composition and fermentation by human colon bacteroides .

J. Agric . food chem., 31, 1308-1313.

Roberfroid, M.B.(1993) .

Role of dietary factors in the modulation of cancer induction.

Page 255 in : Food and cancer prevention : Chemical and Biological Aspects. K.W. Waldron, I.T. Johnson, and G.R.

Fenwick , eds. RSC . Cambridge .

Roger, M.; Iqbal, R.S.; Siddiqui, J. E.; and Rene, B. (1990) .

Effect of dietary fiber concentrated from celery parsnip, and Rutabage on intestinal function, serum cholesterol and blood glucose response in rats .

J. Agric. Food chem., 38, 195-200 .

Roger, M.; Rene, B. stephen, M. and Bhagwan, G. S. (1991) .

Effect of dietary cereal bran on body weight and blood lipids in long - term rat experiment .

Cereal chem., 68 (5) : 448 - 453.

Rost, H.E. (1976) .

Formation of two thermal degradation products of β -carotene.

J. Agric. Food chem., 30, 1147.

Schreir , p.; Drawert, F. and Bhiwaparkar, S. (1979) .

Volatile compounds formed by thermal degradation of carotene.

Chem. Microbiol. Technol. Lebensm. 6, 90.

Schwartz, S.E., Levine, R.A., Singh, A., Schreidecker, J.R. and

Track, N.S. (1982) .

Sustained Pectin ingestion delays gastric emptying. Gastroenterology 83:812 .

Schweizer, T.F.; Frolish, W.; vedovo, S. and Besson , L. (1984) .

Minerals and phytate in the analysis of dietary fiber from cereal.

Cereal chem., 61(2): 116-119.

Schweizer, T.F. and Wursch, P. (1979) .

Analysis of dietary fiber

J. Sci. food Agric., 30 : 613.

Seleem, H. A. (1991) .

Effect of storage under inrtyases on the technological properties of wheat , faba bean and soybean seeds.

M.Sc. Thesis, Food Sci. and techn., Dep., Fac of Agric. Cairo Univ.

Siljestrom M. and Asp N. G. (1986) .

Resistant starch formation during bread making – Effect of baking time and temperature and variations in the recipe.

Z. Lebensm. Unters Forch. 181:4 C. F. cereal chem. 65(1) 1-8

Slavin, J.L. (1990) .

Dietary fiber mechanisms or magic on disease prevention.

Nutr. Today 25 (6) : 6.

Soliman, S, A, (1996) .

Studied on wheat flour milling products and their effect on quality of some bakery products.

M.Sc. Thesis. Fac. Of Agric. Cairo Univ.

Soliman, A.E. (1997) .

Raising the nutritive value of some cereals and its baking products

M. Sc. Thesis, faculty of Agriculture, Moushtohr Egypt.

Sosulski, F.W. and Cadden A.M. (1982) .

Composition and physiological properties of several sources of dietary fiber.

J. food Sci, 47, 1472 -1477.

Spies, R. (1990) .

Application of rheology in the bread industry in dough rheology and baked product texture.

H. Faridi and J.M. Faubion (Ed), p. 344, van Nestrand Reinhold. New York.

Stasse-Wolthuis M., Albers H., Van Jeveren J., (1980) .

Influence of dietary fiber from vegetables and fruit, bran of citrus pectin on serum lipids, fecal lipid and colonic function.

Am. J. Clin. Nutr., 33 : 1745.

Stephen, A., (1985) .

Constipation in dietary fiber. Depleted foods and disease.

Academic press, London.

Tanaka, K.; and Endo, S. (1985) .

Agents for improving bread in quality and bread containing same.

United states patent. Us 4500551. C.F., F.S.T.A., Vol. 17, No. 8 M 119.

Torki, M.A, Sonbol, E.R., Nadia, Y.A. and El-Baradeny, A. (1990).

“ High fiber bread.”

Annals of Agricultural Science, volume (28) .

Moshtohor , Egypt. P. 2283 – 2299 .

Toma, R.B., orr D' appolpnia B.L., Dintizis F.R. and Tabchia M.M. (1979) .

Physical and chemical properties of potato peel as a source of dietary fiber in bread.

J. Food Sci, 44 : 1403.

Trowell, H. (1972) .

Ischemic heart disease and dietary fiber.

Am. J. Clin. Nutr., 25, 926.

———— (1973) .

“Dietary fiber. Ischemic heart disease and diabetes mellitus”

Proc. Nutr. Soc., 32: 151.

Vahouny, G. and Kritchevsky, D. (1986) .

Dietary fibers basic and clinical Aspects.

Plenum press, New York.

Van - Soest, P. J. (1978) .

Dietary fiber their definition and nutritional properties.

Am. J. Clin. Nutr., 31: 215-250.

Ward , T.A; Reichert, R.D. (1986) .

Comparison of the effect of cell wall and hull fiber from canola and soybean on the bioavailability for rats of minerals, protein , and lipid.

J. Nutr. 116, 233-234.

Williams, S.R. (1985) .

Nutrition and Diet therapy . 5th ed p. 21. Time Mirror Mosby collage publishing, st. Louis. U.S.A.

Yaseen, A.A.(1985) .

Chemical and physical studies on the characteristics of balady bread.

M. Sc. Thesis Faculty of Agric., Ain Shams univ., Egypt.

Zozulevich, D.V.; Naukova, E.N.; Kalyan, B.N. and Bordenyuk,

V.p. (1975) .

Variations in the chemical composition of carrots under storage. Konservnaya ovoshchesushil, maya promyshlennost, No. 11, 35-37. (C.F. FSTA Vol. 8, No. 12, J 1996, 1979).