



บรรณานุกรม

- [1] ศิวาพร ศิวเวชช. (2535). **วัตถุเจือปนอาหารในผลิตภัณฑ์อาหาร**. นครปฐม: ศูนย์ส่งเสริมและฝึกอบรมการเกษตรแห่งชาติ มหาวิทยาลัยเกษตรศาสตร์.
- [2] สำนักงานคณะกรรมการอาหารและยา กระทรวงสาธารณสุข. (2527). **ประกาศกระทรวงสาธารณสุข ฉบับที่ 84 เรื่อง วัตถุเจือปนอาหาร**.
- [3] ศิวาพร ศิวเวชช. (2546). **วัตถุเจือปนอาหาร เล่ม 1**. นครปฐม: ศูนย์ส่งเสริมและฝึกอบรมการเกษตรแห่งชาติ มหาวิทยาลัยเกษตรศาสตร์.
- [4] จูไรรัตน์ เกิดดอนแฝก. (2537). **ภัยมืดจากสารพิษ**. กรุงเทพฯ: เซซรุ้ สตูดิโอแอนิเมกราฟฟิค ดีไซน์.
- [5] กุลยา จันทร์อรุณ. (2533). **สารเคมีและวัตถุเจือปนอาหาร**. ใน เอกสารวิชาการ ฉบับที่ 35 ภาคพัฒนาตำราและเอกสารวิชาการ หน่วยงานนิเทศ กรมฝึกหัดครู. ม.ป.ท.: ม.ป.พ.
- [6] สำนักงานคณะกรรมการอาหารและยา กระทรวงสาธารณสุข. (2543). **ประกาศกระทรวงสาธารณสุข ฉบับที่ 214 เรื่อง เครื่องดื่มในภาชนะบรรจุที่ปิดสนิท**.
- [7] สำนักงานคณะกรรมการอาหารและยา กระทรวงสาธารณสุข. (2533). **ประกาศกระทรวงสาธารณสุข ฉบับที่ 120 เรื่อง การแสดงฉลากของวัตถุแต่งกลิ่นรส**.
- [8] Skoog, D. A. and Leary, J.J. (1992). *Principles of Instrumental Analysis* (4th ed.). Orlando: Harcourt Brance & Company.
- [9] แม้น อมรสิทธิ์ และอมร เพชรสม. (2552). **หลักการและเทคนิคการวิเคราะห์เชิงเครื่องมือ** Principles and Techniques of Instrumental Analysis Spectroscopy. กรุงเทพฯ: ชวนพิมพ์.
- [10] Reusch, W. (2006). Visible and ultraviolet spectroscopy. Retrieved November 3, 2008, from [http://www.cem.msu.edu/~reusch/Virt TxtJml/Spectrpy/Uv-vis/Spectrum.htm](http://www.cem.msu.edu/~reusch/Virt%20TextJml/Spectrpy/Uv-vis/Spectrum.htm).
- [11] เภาวัลย์ ศรีพงษ์. (2543). **อัลตราไวโอเลตวิสิเบิลสเปกโตรสโกปี**. นครปฐม: มหาวิทยาลัยศิลปากร.
- [12] วีระศักดิ์ โจนนาราธา และวนิดา คำพา. (2550). Derivative Spectroscopy เทคนิคที่ไม่ยุ่งยากสำหรับการวิเคราะห์ตัวอย่างที่ซับซ้อน. *Lab Today*, 6(41), 31-35.

- [13] Skoog D. A., Holler, F.J. and Nieman, T.A. (1998). *Principles of Instrumental Analysis* (5th ed.). Florida: Harcourt Brance & Company.
- [14] Owen, J. A. (1995). *Uses of Derivative Spectroscopy*. Retrieved November 3, 2008, from <http://www.chem.agilent.com/library/applications/59633940.pdf>.
- [15] Helrich, K. (1990). *Official Methods of Analysis of the Association of Official Analytical Chemists* (15th ed.). Virginia: Association of Official Analytical Chemists.
- [16] Yang, D-J. and Chen, Bo. (2009). Simultaneous Determination of Nonnutritive Sweeteners in Foods by HPLC/ESI-MS. *Journal of Agricultural and Food Chemistry*, 57, 3022-3027.
- [17] Violeta, N., Trandafir, I. and Elena, I. M. (2008). Quantitative Determination of Caffeine in Carbonated Beverages by an HPLC method. *Journal of Agroalimentary Processes and Technologies*, 14, 123-127.
- [18] Xin-Qin, L., Chao, J., Wei, Y., Yun, L., Min-Li, Y. and Xiao-Gang, C. (2008). UPLC-PDAD Analysis for Simultaneous Determination of Ten Synthetic Preservatives in Foodstuff. *Chromatographia*, 68, 57-63.
- [19] Techakriengkrai, I. and Surakarnkul, R. (2007). Analysis of Benzoic acid and Sorbic acid in Thai rice wines and Distillates by Solid-phase Sorbent Extraction and High-Performance Liquid Chromatography. *Journal of Food Composition and Analysis*, 20, 220-225.
- [20] Wasik, A., McCourt, A. and Buchgraber, M. (2007). Simultaneous Determination of nine Intense Sweeteners in Foodstuffs by High Performance Liquid Chromatography and Evaporative Light Scattering Detection-Development and Single-laboratory Validation. *Journal of Chromatography A*, 1157, 187-196.
- [21] Wen, Y., Wang, Y. and Feng, Y-Q. (2007). A Simple and Rapid Method for Simultaneous Determination of Benzoic and Sorbic acids in Food using in-tube Solid-Phase Microextraction Coupled with High-Performance Liquid Chromatography. *Anal Bioanal Chem*, 388, 1779-1787.

- [22] Demiralay, E. Ç., Özkan, G. and Guzel-Seydim, Z. (2005). Isocratic Separation of Some Food Additives by Reversed Phase Liquid Chromatography. *Chromatographia*, 63, 91-96.
- [23] Dossi, N., Toniolo, R., Susmel, S., Pizzariello, A. and Bontempelli, G. (2006). Simultaneous RP-LC Determination of Additives in Soft Drinks. *Chromatographia*, 63, 557-562.
- [24] Saad, B., Bari, Md. F., Saleh, M. I., Ahmad, K. and Talib, M. KM. (2005). Simultaneous Determination of Preservatives (Benzoic acid, Sorbic acid, Methylparaben and Propylparaben) in Foodstuffs using High-Performance Liquid Chromatography. *Journal of Chromatography A*, 1073, 393-397.
- [25] El-Gindy, A., El-Yazby, F., Mostafa, A. and Maher, M. M. (2004). HPLC and Chemometric Methods for the Simultaneous Determination of Cyproheptadine Hydrochloride, Multivitamins, and Sorbic acid. *Journal of Pharmaceutical and Biomedical Analysis*, 35, 703-713.
- [26] Garcia, I., Ortiz, M. C., Sarabia, L., Vilches, C. and Gredilla, E. (2003). Advances in Methodology for the Validation of Methods According to the International Organization for Standardization Application to the Determination of Benzoic and Sorbic acids in Soft Drinks by High-Performance Liquid Chromatography. *Journal of Chromatography A*, 992, 11-27.
- [27] Mota, F. J. M., Ferreira, I. M. P. L. V.O., Cunha, S. C., Beatriz, M. and Oliveira, P. P. (2003). Optimisation of Extraction Procedures for Analysis of Benzoic and Sorbic acids in Foodstuffs. *Food Chemistry*, 82, 469-473.
- [28] Mikami, E., Goto, T., Ohno, T., Matsumoto, H. and Nishida, M. (2002). Simultaneous Analysis of Dehydroacetic acid, Benzoic acid, Sorbic acid and Salicylic acid in Cosmetic Products by Solid-Phase Extraction and High-Performance Liquid Chromatograph. *Journal of Pharmaceutical and Biomedical Analysis*, 28, 261-267.
- [29] Tfouni, S.A.V. and Toledo, M.C.F. (2002). Determination of benzoic and sorbic acids in Brazilian food. *Food Control*, 13, 117-123.

- [30] Ferreira M.P.L.V.O. I., Mendes, E., Brito, P. and Ferreira, A. M. (2000). Simultaneous determination of benzoic and sorbic acids in quince jam by HPLC. *Food Research International*, 33, 113-117.
- [31] Mihyar, F. G., Yousif, K. A. and Yamani, I. M. (1999). Dertermination of Benzoic and Sorbic Acids in Labaneh by High-Performance Liquid Chromatography. *Journal of Food Composition and Analysis*, 12, 53-61.
- [32] Chen, B. H. and Fu S. C. (1995). Simultaneous Determination of Preservatives, Sweeteners and Antioxidants in Foods by Paired-Ion LiQuid Chromatography. *Chromatographia*, 41, 43-50.
- [33] Pant, I. and Trenerry, V. C. (1995). The Determination of Sorbic acid and Benzoic acid in a Variety of Beverages and Foods by Micellar Electrokinetic Capillary Chromatography. *Food Chemistry*, 53, 219-226.
- [34] Thompson, C. O., Trenerry, V. C. and Kemmery, B. (1995). Micellar Electrokinetic Capillary Chromatographic Determination of Artificial Sweeteners in Low-Joule Soft Drinks and Other Foods. *Journal of Chromatography A*, 694, 507-514.
- [35] Farahani, H., Ganjali, M. R., Dinarvand, R. And Norouzi, P. (2009). Study on the Performance of the Headspace Liquid-Phase Microextraction, Gas Chromatography-Mass Spectrometry in the Determination of Sorbic and Benzoic acids in Soft Drinks and Environmental Water Samples. *Journal of Agricultural and Food Chemistry*, 57, 2633-2639.
- [36] Dong, C., Mei, Y. and Chen, L. (2006). Simultaneous determination of sorbic and benzoic acids in food dressing by headspace solid-phase microextraction and gas chromatography. *Journal of Chromatography A*, 1117, 109-114.
- [37] Dong, C and Wang, W. (2006). Headspace solid-phase microextraction applied to the simultaneous determination of sorbic acid and benzoic acids in beverages. *Analytical Chimica Acta*, 562, 23-29.

- [38] Ochial, N., Sasamoto, K., Takino, M., Yamashita, S., Daishima, S., Heiden, A. C. and Hoffmann, A. (2002). Simultaneous Determination of Preservatives in Beverages, Vinegar, Aqueous Sauces, and quasi-drug drinks by stir-bar Sorptive extraction (SBSE) and Thermal Desorption GC-MS. *Anal Bioanal Chem*, 373, 56-63.
- [39] González, M., Gallego, M. and Valcárcel, M. (1999). Gas chromatographic flow method for the preconcentration and simultaneous determination of antioxidant and preservative additives in fatty foods. *Journal of Chromatography A*, 848, 529-536.
- [40] Costa, A. C. O., Perfeito, L. da S., Tavares, M. F. M. and Micke, G. A. (2008). Determination of Sorbate and Benzoate in Beverage Samples by Capillary Electrophoresis-Optimization of the Method with Inspection of Ionic Mobilities. *Journal of Chromatography A*, 1204, 123-127.
- [41] Han, F., He, Y-Z., Li, L., Fu, G-N., Xie, H-Y. and Gan, W-E. (2008). Determination of Benzoic acid and Sorbic acid in Food Products Using Electrokinetic Flow Analysis-Ion Pair Solid Phase Extraction-Capillary Zone Electrophoresis. *Analytica Chimica Acta*, 618, 79-85.
- [42] Mato, I., Huidobro, J. F., Simal-Lozano, J. and Sancho, M. T. (2006). Simultaneous Determination of Organic acid in Beverages by Capillary Zone Electrophoresis. *Analytica Chimica Acta*, 565, 190-197.
- [43] Tang, Y. and Wu, M. (2005). A quick method for the simultaneous determination of ascorbic acid and sorbic acid in fruit juices by capillary zone electrophoresis. *Talanta*, 65, 749-798.
- [44] Frazier, A. R., Inns, L. E., Dossi, N., Ames, M. J. and Nursten, E. H. (2000). Development of a capillary electrophoresis method for the simultaneous analysis of artificial sweeteners, preservatives and colours in soft drinks. *Journal of Chromatography A*, 876, 231-220.
- [45] Walker, C. J., Zaugg, E. S. and Walker, B. E. (1997). Analysis of beverages by capillary electrophoresis. *Journal of Chromatography A*, 781, 481-485.

- [46] Chen, Q-C and Wang, J. (2001). Simultaneous determination of artificial sweeteners, preservatives, caffeine, theobromine and theophylline in food and pharmaceutical preparations by ion chromatography. *Journal of Chromatography A*, 937, 57-64.
- [47] Armenta, S., Garrigues, S. and Guardia, M. De L. (2004). FTIR Determination of Aspartame and Acesulfame-K in Tabletop Sweeteners. *Journal of Agricultural and Food Chemistry*, 52, 7798-7803.
- [48] Herzog, G., Kam, V., Berduque, A. and Arrigan, D. W. M. (2008). Detection of Food Additives by Voltammetry at the Liquid-Liquid Interface. *Journal of Agricultural and Food Chemistry*, 56, 4304-4310.
- [49] Pezza, L., Santini, A.O., Pezza, H. R., Melios, C.B., Ferreira, V. J. F. and Nasser, A. L. M. (2001). Benzoate ion Determination in Beverages by using a Potentiometric Sensor Immobilized in a Graphite matrix. *Analytica Chimica Acta*, 433, 281-288.
- [50] García-Jiménez, J. F., Valencia, M. C. and Capitán-Vallvey, L. F. (2007). Simultaneous Determination of Antioxidants, Preservatives and Sweetener Additives in Food and Cosmetics by Flow Injection Analysis Coupled to a Monolithic Column. *Analytica Chimica Acta*, 594, 226-233.
- [51] Cantarelli, M. A., Pellerano, R. G., Marchevsky, E. J. and Camiña, J. M. (2009). Simultaneous Determination of Aspartame and Acesulfame-K by Molecular Absorption Spectrophotometry using Multivariate Calibration and Validation by High Performance Liquid Chromatography. *Food Chemistry*, 115, 1128-1132.
- [52] Turak, F., Özgür, M. Ü. and Bozdogan, A. (2009). Simultaneous Spectrophotometric Determination of Food Additives (Benzoic acid, Caffeine, Aspartame and Acesulfame-K) in Cola Drinks by PLS Multivariate Calibration Method. Retrieved January 3, 2009, from <http://www.springerlink.com/content/q664t5g1338g170r/>
- [53] Chen, Y. Q. and Ni, Y. N. (2009). Simultaneous Spectrophotometric Determination of Four Preservatives in Foodstuffs by Multivariate Calibration and Artificial Neural Networks. *Chinese Chemical Letters*, 20, 615-619.

- [54] Lamas, N. E., Di Nezio, M. S., Palomeque, M. E. and Fernández Band B. S. (2008). Direct Determination of Saccharin and Acesulfame-K in Sweeteners and Fruit Powders. *Food Anal Methods*, 1, 43-48.
- [55] Khoshayand, M. R., Abdollahi, H., Shariatpanahi, M., Saadatfard, A. and Mohammadi, A. (2008). Simultaneous Spectrophotometric Determination of Paracetamol, Ibuprofen and Caffeine in Pharmaceuticals by Chemometric Methods. *Spectrochimica Acta Part A*, 70, 491-499.
- [56] Lozano, V. A., Camiña, J. M., Boeris, M. S. and Marchevsky, E. J. (2007). Simultaneous Determination of Sorbic and Benzoic acids in Commercial Juices using the PLS-2 Multivariate Calibration Method and Validation by High Performance Liquid Chromatography. *Talanta*, 73, 282-286.
- [57] Bouhsain, Z., Garrigues, S. and De la Guardia, M. (1997). PLS-UV Spectrophotometric Method for the Simultaneous Determination of Paracetamol, Acetylsalicylic acid and Caffeine in Pharmaceutical Formulation. *Fresenius J Anal Chem*, 357, 973-976.
- [58] จีราวรรณ จันทร์วัชรกาล และแสงทอง สวัสดิภาพ. (2534). การวิเคราะห์ปริมาณคาเฟอีนในยาแก้ปวดชนิดบรรจุซอง โดย Derivative Spectrophotometry. *วารสารกรมวิทยาศาสตร์การแพทย์*, 33(1), 13-21.
- [59] De Luca, M., Oliverio, F., Ioele, G. and Ragno, G. (2009). Multivariate Calibration Techniques Applied to Derivative Spectroscopy Data for the Analysis of Pharmaceutical Mixtures. *Chemometrics and Intelligent Laboratory Systems*, 96, 14-21.
- [60] Karim, M. M., Jeon, C. W., Lee, H. S., Alam, S. M., Lee, S. H., Choi, J. H., Jin, S. O. and Das, A. K. (2006). Simultaneous Determination of Acetylsalicylic acid and Caffeine in Pharmaceutical Formulation by First Derivative Synchronous Fluorimetric Method. *J Fluoresc*, 16, 713-721.

- [61] Abbaspour, A. and Mirzajani, R. (2005). Simultaneous Determination of Phenytoin, Barbitol and Caffeine in Pharmaceuticals by Absorption (zero-order) UV Spectra and First-order Derivative Spectra-Multivariate Calibration Methods. *Journal of Pharmaceutical and Biomedical Analysis*, 38, 420-427.
- [62] Dinç, E., Özdemir, A. and Baleanu, D. (2005). An Application of Derivative and Continuous Wavelet Transforms to the Overlapping Ratio Spectra for the quantitative Multiresolution of a Ternary Mixture of Paracetamol, Acetylsalicylic acid and Caffeine in Tablets. *Talanta*, 65, 36-47.
- [63] Alpdogan, G., Karabina, K. and Sungur, S. (2002). Derivative Spectrophotometric Determination of Caffeine in Some Beverages. *Turk J Chem*, 26, 295-302.
- [64] Özgür, M. Ü., Alpdogan, G. And Aşçi, B. (2002). A Rapid Spectrophotometric Method to Resolve Ternary Mixtures of Propyphenazone, Caffeine and Acetaminophen in Tablets. *Monatshefte für Chemie*, 133, 219-223.
- [65] Dinç, E. (1999). A Comparative Study of the Ratio Spectra Derivative Spectrophotometry, Vierordt's method and High-Performance Liquid Chromatography Applied to the Simultaneous Analysis of Caffeine and Paracetamol in Tablets. *Journal of Pharmaceutical and Biomedical Analysis*, 21, 723-730.
- [66] Dinç, E. and Onur, F. (1998). Application of a new spectrophotometric method for the analysis of a ternary mixture containing metamizol, paracetamol and caffeine in tablets. *Analytica Chimica Acta*, 359, 93-106.
- [67] Bautista, R. D., Jiménez, A. I., Jiménez, F. and Arias, J. J. (1997). Simultaneous Determination of Drugs in Concentration Ratios Above 40 :1 by Application of Multivariate Calibration to Absorbance and Derivative Spectrophotometric Signals. *Fresenius J Anal Chem*, 357, 449-456.
- [68] Abdel-Moety, E. M., El-Tarras, M. F., El-Zeany, B-E. A. and Kelani, K. O. (1990). First Derivative Spectrophotometric and Gas-Liquid Chromatographic Determination of Caffeine in Foods and Pharmaceuticals III. Simultaneous Assay of Caffeine and Some Antihistaminics. *Arch Pharm Res*, 13(3), 215-220.

- [69] Christian, D. G. (2003). *Analytical Chemistry* (6th ed). New York: A John Wiley & Sons.
- [70] Skoog, A. D., West, M. D., Holler, J. F. and Crouch, R. S. (2004). *Fundamentals of Analytical Chemistry* (8th ed). Singapore: Thomson Learning.
- [71] Miller, N. J. and Miller, C. J. (2005). *Statistics and Chemometrics for Analytical Chemistry* (5th ed). Harlow, England: Pearson Prentice Hall.
- [72] ชลันดา แสนสิงห์ และพัชราพรรณ บุญพุ่ม. (2551). การวิเคราะห์หาปริมาณอะซีซัลเฟม-เค กรดเบนโซอิก กรดซอร์บิก และคาเฟอีน โดยวิธีโครมาโทกราฟีของเหลว สมรรถนะสูง. วิทยานิพนธ์ วท.บ., มหาวิทยาลัยนเรศวร, พิษณุโลก.
- [73] ราชบัณฑิตยสถาน (2546). ศัพท์วิทยาศาสตร์ อังกฤษ-ไทย ไทยอังกฤษ ฉบับราชบัณฑิตยสถาน. (พิมพ์ครั้งที่ 5). กรุงเทพฯ: อรุณการพิมพ์.

