REFERENCE

REFERENCE

Air Resources Board (8 June 2010). Composite Wood Products Airborne Toxic Control Measure Title 17, California Code of Regulations, Sections 93120-93120.12, Third Party Certification Guideline: Limitations of Chromotropic Acid in Small-Scale Test Methods. (California Environmental Protection Agency Guideline No. CWP-10-002). Retrieved 13 December 2011, from http://www.arb.ca.gov/toxics/compwood/tpc/cwp_10_002.pdf

American Chemistry Council (2010). *Formaldehyde*. Retrieved 07/10/2011, from http://am ericanchemistry.com/s_acc/index.asp?noflash-1

An, J.-Y, Kim, S, Kim H.-J. (2010). Formaldehyde and TVOC emission behavior of laminate flooring by structure of laminate flooring and heating condition. *Journal of. Hazardous Material*, doi:10.1016/j.jhazmat.2010.08.086

Air Resources Board (ARB) (8 February 2012). Composite Wood Airborne Toxic Control Measure: Fact sheet. Retrieved 24 February 2012, from http://www.arb.ca.gov/toxics/com pwood/tpc/cwp_10_002.pdf

AS/NZS 1859.1(2004): Reconstituted wood-based panels - Specifications - Particleboard, Australia/ New Zealand Standard.

AS/NZS 1859.2 (2004) Reconstituted wood-based panels - Specifications – Dry processed fibreboard, Australia/ New Zealand Standard.

ASTM 5582-00 (2006). Standard test method for determining formaldehyde levels from wood products using a desiccator, ASTM Standard.

ASTM D6007-02 (2008). Standard test method for determining formaldehyde concentration in air from wood products using small-scale chamber, ASTM Standard.

ASTM E1333-10. (2010). Standard test method for determining formaldehyde concentrations in air and emission rates from wood products using a large chamber, ASTM Standard.

Aydin, I. & Colakoglu, G. (2005). Formaldehyde Emission, Surface Roughness, and Some Properties of Plywood as Function of Veneer Drying Temperature. *Drying Technology*, 23: 1107–1117.

Aydin, I., Colakoglu, G., Colak, S., Demirkir, C. (2006). Effects of moisture content on formaldehyde emission and mechanical properties of plywood. *Building and Environment*, 41, 1311–1316.

Ayrilmis, N. & Winandy, J. E. (2009). Effects of post heat-treatment on surface characteristics and adhesive bonding performance of medium density fiberboard. *Materials and Manufacturing Processes*, 24, 594–599.

Baek, B-S (2010). Evaluation of thermo-mechanical and VOCs emission properties of green composites with coffee grounds byproduct (M.S.). Retrieved 13 Dec 2011, from www.adhesion.org/publication/thesis/thesis_bsbaek.pdf

Bao, M-L, Pantani, F., Griffini,O., Burrini, D., Santianni, D., Barbieri, K. (1998). Determination of carbonyl compounds in water by derivatization-solid-phase microextraction and gas chromatographic analysis. *Journal of Chromatography A*, 809, 75-87.

Barrio, M.-A, Hu, J., Zhou, P. Z. and Cauchon, N. (2006) Simultaneous determination of formic acid and formaldehyde in pharmaceutical excipients using headspace GC/MS. *Journal of Pharmaceutical and Biomedical Analysis*, 41, 738–743.

Baumann, M.G.D., Batterman, S.A., Zhang, G. Z. (1999). Terpene emissions from particleboard and medium-density fiberboard products, *Forest Products Journal*, 49, 49-56.

Birkeland, M. J., Lorenz, L., Wescott, J. M., Frihart, C. R. (2010). Determination of native (wood derived) formaldehyde by the desiccator method in particleboards generated during panel production. *Holzforschung*, 64, 429–433.

Bizzari, S. (2010, Jan). Formaldehyde: 2010 world market outlook and forecast, chemical economics handbook. Retrieved 24 Feb 2011, from http://www.icis.com/V2/Chemicals/907 6013/formaldehyde/uses.html.

Bohm, M., Salem, M. Z., Srba, J. (2012). Formaldehyde emission monitoring from a variety of solid wood, plywood, blockboard and flooring products manufactured for building and furnishing materials. *Journal of Hazardous Material*, 221-222, 68-79.

Boyer, P., Tutin, K., Srinivasan, R. (2008). Reducing formaldehyde emissions from fiberglass insulation. United States Patent Application Publication. Pub. No.: US 2008/0003902 A1.

Brown, J. A. (2012) Information on Hazardous Chemicals and Occupational Diseases, U.S. National Library of Medicine, National Institutes of Health. Retrieved 24 Feb 2012, from http://hazmap.nlm.nih.gov/cgi-bin/hazmap_generic?tbl=TblAgents&id=3264

BS EN 322 (1993). Wood-based panels – Determination of moisture content. European Standard.

Burtin, P., C. Jay-Allemand, Chapentier, J.P. and Janin, G. (1998). Natural wood colouring process in *Juglans* sp. (*J. regia* and hybrid *J. nigra* $23 \times J$. *regia*) depends on native phenolic compounds accumulated in the transition zone between sapwood and heartwood. *Trees*, *12*, 258–264.

Cancho, B., Ventura, F. and Galceran, M. T. (2001). Determination of aldehyde in drinking water using pentafluorobenzylhydroxylamine derivatization and solid-phase microextraction. *Journal of Chromatography A*, 943: 1-13.

Casieri, C., Senni, L., Romagnoli, M., Santamaria, U., Luca, F. D. (2004). Determination of moisture fraction in wood by mobile NMR device. *Journal of Magnetic Resonance*, 171, 364–372.

Christensen, R., Robitchek, P., Stone, J. (1981) Formaldehyde emission from particleboard. *Holz als Roh- und werkstoff*, 39, 231-234.

Clapp, R., Howe, G., Jacobs, M. (2006). Environmental and occupational causes of cancer revisited. *Journal of Public Health Policy*, 27, 61-76.r for Sustainable Production, University of Massachusetts, Lowell.

CNS 1349 (2006). Chinese National Standard-Plywood, CNS Standard.

Colak, S. & Colakoglu, G. (2004). Volatile acetic acid and formaldehyde emission from plywood treated with boron compound. *Building and Environment*, 39, 533 – 536.

Deng, C. H, Li, N, Zhang, X. M. (2004). Development of headspace solid-phase microextraction with on-fiber derivatization for determination of hexanal and heptanal in human blood. *Journal of Chromatography B*, 813, 47–52.

EN 120 (1993). Wood–based panels- Determination of formaldehyde content–extraction method called perforator method, European Standard.

EN 717-1 (2004). Wood-based panels- Determination of formaldehyde release- Part 1: formaldehyde emission by the chamber method, European Standard.

EN 717-2 (1994). Wood-based panels- Determination of formaldehyde release- Part 2: formaldehyde release by the gas analysis method, European Standard.

EN 717-3 (1996). Wood-based panels- Determination of formaldehyde release- Part 3: formaldehyde release by the flask method, European Standard.

EPA Method 556 (1998). Determination of carbonyl compounds in drinking water by fast gas chromatography (Rev. 1.0). US Environmental Protection Agency, Cincinnati, OH.

Environment Protection Agency, US (EPA). (1988). Health and environment effects profile for formaldehyde (EPA/600/x-85/362). Environment Criteria and Assessment Office, Office of Health and Environmental assessment, Office of Research and Development, Cincinnati, OH: EPA.

Falkehag, S.I., Marton, J., Adler, E. (1966). Chromophores in Kraft lignin. In: Lignin Structure and Reactions. J. Am. Chem. Soc., 75-89

Federica, B., Pierre, M., Olivier, D., Pierre, E. (2009). Optimization of HS-SPME/GC-MS analysis and its use in the profiling of illicit ecstasy tablets (Part 1). *Forensic Science International*, 187 (1-3), 73-80.

Forest Products Laboratory (FPL). (2006). *Wood handbook: Wood as engineering material* (FPL–GTR–113). Madison, WI: U. S. Department of Agriculture Forest Service.

Forest Products Laboratory (FPL). (2010). *Wood handbook: Wood as engineering material* (FPL–GTR–190). Madison, WI: U. S. Department of Agriculture Forest Service.

Friis, Ib. & Balslev, H. (2005). Plant diversity and complexity patterns: local, regional, and global dimensions. *Proceedings of International Symposium of Royal Danish Academy of Sciences and Letters 25–28 May 2003 Biologiske skrifter*, 55. Copenhagen, Denmark: Royal Danish Academy of Sciences and Letters. pp 57-59.

Gindl, W., Sretenovic, A., Vincenti, A., Muller, U. (2005). Direct measurement of strain distribution along a wood bond line. Part 2: Effects of adhesive penetration on strain distribution. *Holzforschung*, 59, 307-310.

Gioti, E. M., Fiamegos, Y. C., Skalkos, D. C., Stalikas, C. D. (2007). Improved method for the in vitro assessment of antioxidant activity of plant extracts by headspace solid-phase microextraction and gas chromatography-electron capture detection. *Journal of Chromatography A*, 1152 (1–2), 150-155.

Hartley, I. (2001). *Wood: Moisture Content, Hygroscopicity, and Sorption. Encyclopedia of Materials: Science and Technology* (2nd Ed., pp 9668-9673).Retrieved 15 May 2010, from http://dx.doi.org/10.1016/B0-08-043152-6/01753-8

Haughton, L. & Murphy, C. (2003). Moisture exchange performance of OSB and plywood structural panels. Retrieved 07 Oct 2010, from http://www.rci-online.org/interface/2003-06-haughton-murphy.pdf

Horvatha, A. L. (2005). Solubility of structurally complicated materials: I. Wood. J. Phys. Chem. Ref. Data, 35, 1, 77-92.

Howard, K. L., Mike, J. H. and Riesen, R. (2005) Validation of a Solid-Phase Microextraction Method for Headspace Analysis of Wine Aroma Components. *American Journal of Enology and Viticulture*, 56 (1), 37-45.

Hse, C. Y. (2009). Development of melamine modified urea formaldehyde resins based on strong acidic pH catalyzed urea formaldehyde polymer. *Forest Product Journal*, 59(5), 19-24.

Iglesias, J., Lois, S. and Medina, I. (2007) Development of a solid-phase microextraction method for determination of volatile oxidation compounds in fish oil emulsions. *Journal of Chromatography A*, 1163: 277–287.

International Agency for Research on Cancer (1995). *Wood dust and formaldehyde* (IARC Monographs on the evaluation of carcinogenic risks to humans, Vol. 62, 217-362). Lyon, France: WHO.

International Agency for Research on Cancer (1998). *Some Chemicals Used in Plastics and Elastomers: 4, 4'-Methylenedianiline and its dihydrochloride* (IARC Monographs on the evaluation of carcinogenic risks to humans, Vol. 39, pp 347). Retrieved 23 Oct 2011, from http://monographs.iarc.fr/ENG/Monographs/vol39/volume39.pdf

International Agency for Research on Cancer (IARC). (1999). *Re-Evaluation of Some Organic Chemicals,Hydrazine and Hydrogen Peroxide: Epichlorohydrin* (IARC Monographs on the evaluation of carcinogenic risks to humans, *Group 24*, Vol. 71, pp 603). Retrieved 25 Nov 2011, from http://monographs.iarc.fr/ENG/Monographs/vol71/volume71. pdf

International Agency for Research on Cancer (IARC). (2004). *Formaldehyde*, 2-*Butoxyethanol and 1-tert-Butoxy-2-propanol* (IARC Monographs on the evaluation of carcinogenic risks to humans, Vol. 88, pp 39-325). Lyon, France: WHO.

Ishikawa, A, Ohira, T, Miyamoto, K, Inoue, A, Ohkoshi, M. (2009). Emission of volatile organic compounds during drying of veneer: Red meranti (*Shorea* sect. *Rubroshorea*), larch (*Larix* sp.), and sugi (*Cryptomeria japonica* D. Don). *Bulletin of FFPRI*, 8(2), (No.411), 115-125.

ISO 12460-1 (2007). Wood-based panels- Determination of formaldehyde release- Part 1: Formaldehyde emission by the 1-cubic-metre chamber method, ISO Standard.

ISO 12460-3 (2008). Wood-based panels- Determination of formaldehyde release- Part 3: Gas analysis method, ISO Standard.

ISO 12460-4 (2008/ Amd 1: 2011). Wood-based panels- Determination of formaldehyde release- Part 4: Desiccator method, ISO Standard.

JAS 233 (2003). Japanese Agricultural Standard for Plywood, JAS Standard.

Jiang, T. Gardner, D. J., Baumann, M. G. D. (2002). Volatile organic compond emissions arising from the hot-pressing of mixed-hardwood particleboard. *Forest Product Journal*, 52 (11/12), 66-77.

JIS 1460 (2001). Building boards Determination of formaldehyde emission- Desiccator method. Japanese Industrial Standard, March 2001.

JIS A 1901 (2009). Determination of the emission of volatile organic compounds and aldehyde for building products-Small Chamber method, Japanese Industrial Standard.

Jones, D. (2010). *Basic guide to identification of hardwoods and softwoods using anatomical characteristics*. Mississippi, US: Mississippi State University Extension Service Publication.

Kim, S. (2010). The reduction of formaldehyde and VOCs emission from wood-based flooring by green adhesive using cashew nut shell liquid (CNSL). *Journal of Hazardous Materials*, 182, 919–922.

Kim, S. & Kim, H.-J. (2005). Comparison of standard methods and gas chromatography method in determination of formaldehyde emission from MDF bonded with formaldehyde-based resins. *Bioresource Technology*, 96 (13), 1457–1464.

Kim, S., Kim, J-A, Kia, H-J, Lee, H-H, Yoon, D-W. (2006a). The effects of edge sealing treatment applied to wood-based composites on formaldehyde emission by desiccator test method. *Polymer Testing*, 25, 904–911.

Kim, S., Kim, J-A, Kim, H-J, Kim, S-D. (2006b). Determination of formaldehyde and TVOC emission factor from wood-based composites by small chamber method. *Polymer Testing*, 25, 605–614.

Kim, S., Kim, H.-J., Kim, H.-S., Lee, H-H. (2006c). Effect of bio-scavengers on the curing behavior and bonding properties of melamine-formaldehyde resins. *Macromolecular Materials and Engineering*, 291, 1027–1034.

Konnerth, J& Gindl, W. (2006). Mechanical characterization of wood-adhesive interphase cell walls by nanoindentation. *Holzforschung*, 60, 429-433.

Kunaver, M., Medved, S., C^{*}uk, N., Jasiukaityte, E., Poljanšek, I., Strnad, T. (2010). Application of liquefied wood as a new particle board adhesive system. *Bioresource Technology*, 101 (4), 1361–1368.

Lee, I-S & Tsai, S-W (2008). Passive sampling of ambient ozone by solid phase microextraction with on-fiber derivatization. *Analytica Chimica Acta*, 610, 149-155.

Li, N., Deng, C., Yin, X. Y., Yao, N., Shen, X. Z., Zhang, X. M. (2005). Gas chromatography-mass spectrometric analysis of hexanal and heptanal in human blood by headspace single-drop microextraction with droplet derivatization. *Analytical Biochemistry*, 342, 318–326.

Luftman, H. S. (2005). Neutralization of formaldehyde gas by ammonium bicarbonate and ammonium carbonate. *Applied Biosafety*, 10(2), 101-106.

Martinez, E & Belanche, M. I. (2000). Influence of veneer wood species on plywood formaldehyde emission and content. *Holz als Roh- und Werkstof*, 58, 31-34.

Martos, P. A. & Pawliszyn, J. (1998). Sampling and determination of formaldehyde using solid-phase microextraction with on-fiber derivatization. *Analytical Chemistry*, 70 (11), 2311-2320.

Mayu, T., Satoshi, S., Yukie, S. (2001). The formaldehyde emission from a plywood between the air rooms with different relative humidity. *Wood Industry*, 56(9), 411-415.

Meyer, B. (1986). Formaldehyde exposure from building products. *Environment International*, 12 (1-4), 283-288.

Meyer, B. & Boehme, C. (1997). Formaldehyde emission from solid wood. *Forest Products Journal*, 47(5), 45-48.

Modzel, G, Kamke, F. A, Carlo, F. De. (2011). Comparative analysis of a wood: adhesive bondline. *Wood science and technology*, 45, 1, 147-158.

Myers, G. E. & Nagaoya, M. (1981). Emission of formaldehyde by particleboard: effect of ventilation rate and loading on air-contamination levels. *Forest Product Journal*, 31(7), 39-44.

Myers, G. E. (1983). Formaldehyde emission from particleboard and plywood paneling: measurement, mechanism, and product standards 1983. *Forest Product Journal*, 33(5), 41-51.

Myers, G. E. (1984). Effects of UF resin mole ratio on formaldehyde emission and other properties. *Forest Product Journal*, 34(5), 35-41.

Myers, G. E. (1985). The effects of temperature andhumidity on formaldehyde emission fromUF-bonded boards: a literature critique. *Forest Product Journal*, 35(9), 20-31. Myers, G. E. (1986). Effects of post-manufacture board treatments on formaldehyde emission: a literature review (1960-1984). *Forest Product Journal*, 36(6), 27-37.

Myung, S. W, Kim, M, Min, H. K, Yoo, E. A, Kim, K. R. (1999). Determination of homocysteine and its related compounds by solid phase micro extraction gas chromatography mass spectrometry. *Journal of Chromatography B: Boimedical Sciences and Applications*, 727 (1-2), 1-8.

National Institute for Occupational Safety and Health (NIOSH). (1994a). *Hazard* evaluation and technical assistance report: Distinctive Designs International, Onc., Russellville, AL (NIOSH Report No. HETA 91-0386-2427). Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, NIOSH.

National Institute for Occupational Safety and Health (NIOSH). (1994b). *Hazard evaluation and technical assistance report: Jim Walter Resources, Inc., Brookwood, AL* (NIOSH Report No. HETA 94-0027). Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, NIOSH.

Nemli, G. & Ozturk, I. (2006). Influences of some factors on the formaldehyde content of particleboard. *Building and Environment*, 41, 770–774.

Nguila Inari, G., Pe'trissans, M., Dumarcay, S., Lambert, J., Ehrhardt, J. J., Ernek, M. S., Ge'rardin, P. (2010). Limitation of XPS for analysis of wood species containing high amounts of lipophilic extractives. *Wood Science and Technology*, 45(2), 369-382.

Osanyintola, O. F., Talukdar, B., Simonson, C. J. (2006). Effect of initial conditions, boundary conditions and thickness on the moisture buffering capacity of spruce plywood. *Energy and Buildings*, 38, 1283–1292.

Ouyang, G.F. & Pawliszyn, J. (2006). Recent developments in SPME for on-site analysis and monitoring. *TrAC, Trends in Analytical Chemistry*, 25(7), 692-703.

Pacenti, M., Dugheri, S., Traldi, P., Esposti, F. D., Perchiazzi, N., Franchi, E.,... Cupelli, V. (2010). New automated and high-throughput quantitative analysis of urinary ketones by

multifiber exchange-solid phase microextraction coupled to fast gas chromatography/ negative chemical-electron ionization/ mass spectrometry. *Journal of Automated Methods and Management in Chemistry*, 2010, 1-13.

Park, B.-D., Kang, E.-C., Park, J.-Y., (2006). Effects of formaldehyde to urea mole ratio on thermal curing behavior of urea-formaldehyde resin and properties of particleboard, *Journal of Applied Polymer Science*, 101 (3), 1787–1792.

Park, B-D, Kang, E-C, Park, S-B and Park, J-Y. (2011). Empirical correlations between test methods of measuring formaldehyde emission of plywood, particleboard and medium density fiberboard. European. *Journal Wood Product*, 69, 311-316.

Park, B-D, Lee, S-M, Roh, J-K. (2009). Effects of formaldehyde/urea mole ratio and melamine content on the hydrolytic stability of cured urea-melamine-formaldehyde resin. *European Journal of Wood and Wood Products*, 67, 121–123.

Park, S.-B., Kim, S.-W., Park, J.-Y., Kim, J.-I., Mun, S.-P., Jun, J.-M. (2004). VOC adsorption and physico-mechanical properties of wood flour-plastic-bamboo charcoal (WPBC) composites board. *KFRI Journal of Forest Science*, 67, 48–57.

Parthasarathy, S., Maddalena, R., Russell, M., Apte, M. G. (2010). Effect of temperature and humidity on formaldehyde emission in temporary housing units. *Journal of Air and Waste Management*, Lawrence Berkeley National Laboratory: Lawrence Berkeley National Laboratory. LBNL Paper LBNL-3547E. Retrieved from: http://escholarship.org/uc/item/4q 99c791

Patty, K. D. (2008). *Detection of formaldehyde via reactive dye fluorescence (M.S.)*. Retrieved 15/11/2010, from http://gradworks.umi.com/14/58/1458200.html Pawliszyn, J. (1997). Solid-phase Microextraction: Theory and Practice. New York: Wiley-VCH.

Pizzi, A. (1989). *Wood adhesives chemistry and technology*, 2. New York: Marcel Dekker; 1989.

Pizzi, A, Valenezuela, J., Westermeyer, C. (1994). Low formaldehyde emission, fast pressing, pine and pecan tannin adhesives for exterior particleboard. *Holz als Roh- und Werkstoff*, 52, 311-315.

Que, Z. & Furuno, T. (2007). Formaldehyde emission from wood products: relationship between the values by the chamber method and those by the desiccator test. *Wood Science and Technology*, 41, 267–279.

Que, Z., Furuno, T., Katoh, S., Nishino, Y. (2007a). Evaluation of three test methods in determination of formaldehyde emission from particleboard bonded with different mole ratio in the urea–formaldehyde resin. *Building and Environment*, 42, 1242–1249.

Que, Z., Furuno, T., Katoh, S., Nishino, Y. (2007b). Effects of urea-formaldehyde resin mole ratio on the properties of particleboard. *Building and Environment*, 42, 1257-1263.

Risholm-Sundman, M., Lundgren, M., Vestin, E., Herder, P. (1998). Emissions of acetic acid and other volatile organic compounds from different species of solid wood. *Holz als Roh- und Werkstolt*, 56, 125-129.

Risholm-Sundman, M. & Wallin, N. (1999). Comparison of different laboratory methods for determining the formaldehyde emission from three-layer parquet floors. *Holz als Rohund Werkstoff*, 57, 319-324.

Risholm-Sundman, M., Larsen, A., Vestin, E., Weibull, A. (2007). Formaldehyde emission-Comparison of different standard methods. *Atmospheric Environment*, 41, 3193-3202.

Rivero, R. T. & Topiwala, V. (2004). Quantitative determination of formaldehyde in cosmetics using combined headspace-solid-phase microextraction gas chromatography. *Journal of Cosmetic Science*, 55 343-350.

Rivero, R. T. & Topiwala, V. (2005). Quantitative determination of formaldehyde in cosmetics using a combined solid-phase microextraction–isotope dilution mass spectrometry method. *Journal of Chromatography A*, 1029, 217–222

Roffael, E. (1993). Formaldehyde release from particleboard and other wood based panels. Kuala Lumpur, Malaysia: Forest Research Institute Malaysia publications.

Roffael, E. (2006) Volatile organic compounds and formaldehyde in nature, wood and wood based panels. *Holz als Roh- und Werkstoff*, 64, 144–149.

Roffael, E., Johnsson, B., Engstro^m, B. (2010). On the measurement of formaldehyde release from low-emission wood-based panels using the perforator method. *Wood Science Technology*, 44, 369–377.

Saison, D., Schutter, D. P., Delvaux, F., Delvaux, F. R. (2009). Determination of carbonyl compounds in beer by derivatisation and headspace solid-phase microextraction in combination with gas chromatography and mass spectrometry. *Journal of Chromatography A*, 1216, 5061–5068.

Schafer, M. & Roffael, E. (2000). On the formaldehyde release of wood. *Holz als Roh- und Werkstoff*, 58, 259–264.

Schutter, D. P., Saison, D., Delvaux, F., Derdelinckx, G., Rock, J-M, Neven, H., Delvaux F. R. (2008). Optimisation of wort volatile analysis by headspace solid-phase microextraction in combination with gas chromatography and mass spectrometry. *Journal of Chromatography A*, 1179, 75–80.

Shinohara, N., Mizukoshi, A., Kataoka, T., Takamine, K., Gamo, M., Yanagisawa, Y. (2011). Distribution of Indoor Concentrations and Emission Sources of Formaldehyde in Japanese Residences. In Moldoveanu, A. M., *Advanced Topics in Environmental Health and Air Pollution Case Studies* (pp. 329-338). Rijeka, Croatia: InTech.

Stuligross, J. & Koutshy, J. A. (1985). A morphological study of urea-formaldehyde resins. *The Journal of Adhesion*, 18, 281-299.

Sugaya, N., Sakurai, K., Nakagawa, T., Onda, N., Onodera, S., Morita, M., Tesuka, M. (2004). Development of a headspace GC/MS analysis for carbonyl compounds (aldehydes and Ketones) in household products after derivatization with O-2,3,4,5,6-pentaflurobenzyl)-hydroxylamine. *Analytical Sciences*, *20*, 865-870.

Takano, T., Murakami, T., Kamitakahara, H., Nakatsubo, F. (2008). Formaldehyde adsorption by karamatsu (Larix leptolepis) bark. *Journal of Wood Science*, 54, 332–336.

Takeuchi, A., Takigawa, T., Abe, M., Kawai, T., Endo, Y., Yasugi, T., Endo, G., Ogino, K. (2007). Determination of formaldehyde in urine by headspace gas chromatography. *Bulletin of Environment Contamination and Toxicology*, 79 (1), 1-4.

Tang, X. J., Bai, Y., Duong, A., Smith, M. T., Li, L., Zhang, L.P. (2009). Formaldehyde in China: Production, consumption, exposure levels, and health effects. *Environment International*, 35, 1210–1224.

Tohmura, S.I., Inoue, A., Sahari, S. H. (2001). Influence of the melamine content in melamine-urea-formaldehyde on formaldehyde emission and cured resin structure. *Journal of Wood Science*, 47, 451-457.

Tsumura, Y., Kado, T., Yoshida, K., Abe, H., Ohtani, M., Taguchi, Y., ... Lee, S. L. (2010). Molecular database for classifying Shorea species (Dipterocarpaceae) and techniques for checking the legitimacy of timber and wood products. *Journal of Plant Research*, 124 (1), 35-48.

Uchiyama, S., Matsushima, E., Aoyagi, S., Ando, M. (2004). Simultaneous determination of C1-C4 carboxylic acids and aldehydes using 2,4 dinitrophenylhydrazine-impregnated silica gel and high-performance liquid chromatography. *Analytical Chemistry*, 76(19), 5849-5854.

US International Trade Commission (USTIC) (2008). *Wood flooring and hardwood plywood: Competitive conditions affecting the U.S. industries* (Investigation No. 332-487). Washington, DC, U.S.: USITC Publication 4032.

US Department of Health and Human Services (Jul 1999). Toxicological profile for formaldehyde. Retrieved 06 Jun 2011, from http://www.atsdr.cdc.gov/toxprofiles/tp111.pdf

Usta, I. (2003). Comparative study of wood density by specific amount of void volume (Porosity). *Turkish Journal of Agriculture and Forestry*, 27, 1-6.

Wang, Q., O'Reilly, J., Pawliszyn, J. Z. (2004). Determination of low molecular mass aldehydes by automated headspace SPME with in fibre derivatization. *Journal of Chromatography A.*, 1071, 147-154.

Wang, S-Y, Yang, T-H, Lin, L-T, Lin, C-J, Tsai, M-J. (2008). Fire-retardant-treated low-formaldehyde-emission particleboard made from recycled wood-waste. *Bioresource Technology*, 99, 2072–2077.

Weigl, M., Wimmer, R., Sykacek, E., Steinwender, M. (2009). Wood-borne formaldehyde varying with species, wood grade, and cambial age. *Forest Products Journal*, 59(1/2), 88.

Wengert, G. (1998). How pH contributes to adhesion problems in glued-up panels. Retrieved 09 Aug 2011, from www.woodweb.com/knowledge_base/Acidity_ Common_Cause.html

Wiglusz, R., Jarnuszkiewicz, I., Sitko, E. Ç., Nikel, G. Ç (2000). Comparison experiment on the determination of formaldehyde emitted from mineral wool board using small test chambers. *Building and Environment*, 35, 53–57.

William, S. & TenWolde, A. (1999). Chapter 3: Physical Properties and Moisture Relations of Wood (FPL–GTR–113), *Wood handbook: Wood as engineering material* (pp. 463). Madison, WI: U.S. Department of Agriculture, Forest Service, FPL.

Wolcott, J. J., Motter, W. K., Daisy, N. K., Tenhaeff, S. T., Detlefsen, W. D. (1996). Investigation of variables affecting hot-press formaldehyde and methanol emissions during laboratory production of urea-formaldehyde bonded particleboard, composites & manufacturing products. *Forest Product Journal*, 46(9), 62.

Wong, D. C. & Kozak, R. A. (2008). Particleboard performance requirements of secondary wood products manufacturers in Canada. *Forest Product Journal*, 58(3), 34-41.

World Health Organization. (1989). *Environmental Health Criteria for Formaldehyde* (International Program on chemical safety, Environmental Health Criteria Vol. 89).Geneva, Switzerland: WHO.

World Health Organization. (2000). *Air quality guidelines for European* (WHO Regional Publication, European Series, No. 91, 2nd Ed.). Copenhagen, Denmark: WHO Regional office for Europe.

World Health Organization. (2002). *Formaldehyde* (Concise International Chemical Assessment Document, No. 40.).Geneva, Switzerland: WHO.

WQI (2004). New knowledge in wood quality- Formaldehyde emission from solid wood. Retrieved 23 Oct 2010, from www.timbertest.co.nz/docs/ RadiataPine% 20Formaldehyde Data.pdf.

Xu, J., Jin, T., Guo, Y. Y., Zeng, M., Zheng, X. (2010). Reduction of formaldehyde emission of wood –based panels. *The 4th International Conference on Bioinformatics and Biomedical Engineering (ICBBE 2010) 18-20* June 2010. Chengdu, China: IEEE Conference Publications.

Yamato, H., Nakashima, T., Kikuta, A., Kunugita, N., Arashidani, K., Nagafuchi, Y., Tanaka, I. (2005). A novel local ventilation system to reduce the levels of formaldehyde exposure during a gross anatomy dissection course and its evaluation using real-time monitoring. *Journal Occupational Health*, 47(5), 450-453.

Yung, Y. L & Lo, K. M. (2012). Evaluation of solid phase micro extraction with standard testing method for formaldehyde determination. *World Academy of Science, Engineering and Technology*, 62,

Yung, Y. L & Lo, K. M. (2013). Integration of headspace solid phase micro-extraction with gas chromatography for quantitative analysis of formaldehyde. *Bulletin of the Korean Chemistry Society*, 34(1), 139-142.

Zinn, T. W., Cline, D., Lehmann, W. F. (1990). Long-term study of formaldehyde emission decay from particleboard. *Forest Product Journal*, 40(6), 15-18.

www.prweb.com. Formaldehyde: 2012 World Market Outlook and Forecast up to 2017 by Merchant Research & Consulting Ltd. Retrieved from http://www.prweb.com/ releases/2012/1/prweb9124760.html