

BIBLIOGRAPHY

1. Mendes, R. W., Roy, S. B., "Tableting Excipients, PartII," Pharm. Technol., 2 (9), 61-109, 1978.
2. Mendes, R. W., Roy, S. B., "Tableting Excipients, PartIII," Pharm. Technol., 3 (3), 69-75, 1979.
3. Banker, G. S., Peck, G. E., and Baley G., "Tablet Formulation and Design," Pharmaceutical Dosage Forms Tablet, Lieberman H. A., and Lachman L., Vol. 1, pp. 61-108, Marcel Dekker, New York, 1981.
4. Shangraw, R. F., Wallace, J. W., and Bowers, F. M., "Morphology and Functionality in Tablet Excipients for Direct Compression: Part I," Pharm. Technol., 5 (9), 69-81, 1981.
5. Shangraw, R. F., Wallace, J. W., and Bowers, F. M., "Morphology and Functionality in Tablet Excipients for Direct Compression: Part II," Pharm. Technol., 5 (10), 44-60, 1981.
6. Mendell, E. J., "Direct Compression Method of Producing Solid Dosage Forms," Mfg. Chem. Aerosol News, 124, 43-45, 1972.
7. Mendell, E. J., "Direct Compression Method of Producing Solid Dosage Forms," Mfg.Chem. Aerosol News, 124, 31-32, 1972.
8. Kanig, J., and Rudnic, E. M., "The Mechanisms of Disintegrant Action," Pharm. Technol., 8 (4),

50-63, 1984.

9. Lowenthal, W., "Disintegration of Tablets," J. Pharm. Sci., 61 (11), 1695-1711, 1972.
10. Guyton-Hermann A. M., Ringard, J., "Disintegration Mechanisms of Tablets Containing Starchs. Hypothesis about the Particle-Particle Repulsive Force.," Drug Devel. Ind. Pharm., 7 (2), 155-177, 1981.
11. Shangraw, R. F., Mitrevej, A., and Shah, M., "A New Era of Tablet Disintegrants," Pharm. Technol., 4 (10), 49, 1980.
12. Khan, K. A., Rhodes, D. T., "Water Sorption Properties of Tablet Disintegrants," J. Pharm. Sci., 64 (3), 447-451, 1975.
13. Mitervej, A., and Hollenbeck, R. G., "Photomicrographic Analysis of Water Sorption and Swelling of Selected Super-Disintegrants," Pharm. Technol., 6 (10), 48-54, 1982.
14. Kornblum, S. S., and Stoopak, S. B., "A New Tablet Disintegrating Agent: Cross-Linked Polyvinylpyrrolidone," J. Pharm. Sci., 62 (1), 43-49, 1973.
15. Nagomi, H., Nagai, T., Fukuoka, E., and Sonobe, T., "Disintegration of the Aspirin Tablets Containing Potato Starch and Microcrystalline Cellulose in Various Concentrations," Chem. Pharm. Bull., 17 (7), 1450-1455, 1969.

16. Gissinger, D., and Stamm, A., "A Comparative Evaluation of the Properties of Some Tablet Disintegrants," Drug Devel. Ind. Pharm., 6 (5), 511-536, 1980.
17. Rudnic, E. M., and Rhodes, C. T., "Evaluation of the Mechanism of Disintegrant Action," Drug Devel. Ind. Pharm., 8 (1), 87-109, 1982.
18. List, P. H., and Muazzam, U. A., "Swelling-The Force that Disintegrants," Drugs Made in Germany, 22 (4), 161-170, 1979.
19. Bolhuis, B. K., van Kamp, H. V., Lerk, C. F., and Sessink, F. G. M., "On the Mechanism of Action of Modern Disintegrants," Acta Pharm. Technol, 28 (2), 111, 1982.
20. Hess, H., "Tablets Under the Microscope," Pharm. Technol, 2 (9), 36-106, 1978.
21. Fox, C. D., Richman, M. D., Reier, G. E., and Shangraw, R., "Microcrystalline Cellulose in Tableting," Drug Cosmet. Ind., 92 (2), 161, 1963.
22. Reier, G., and Shangraw, R. F., "Microcrystalline Cellulose in Tableting," J. Pharm. Sci., 55 (5), 510-514, 1966.
23. Safiulin, R. M., Nosovits'ka, S. A., and Borzunov, E. E., "Kaolin for Increasing Decomposability of Tablets," Chem. Abstr., 58, 13727a, 1963.
24. Selmeczy, B., and Kedvessy, G., "Study of the Influence of Some New Additives on the Physical Properties of Tablets," Int. Pharm. Abstr., 8 (1), 1283,

1971.

25. Feinstein, W., and Bartilucci, A. J., "Comparative Study of Selected Disintegrating Agents," J. Pharm. Sci., 55 (3), 332-334, 1966.
26. Knoechel, E. L., Sperry, C. C., and Lintner, C. J., "Instrumented Rotary Tablet Machine II," J. Pharm. Sci., 56 (1), 116-130, 1967.
27. Khan, K. A., and Rhodes, C. T., "Efficiency of Disintegrants in Tablet Formulations," Mfg. Chem. Aerosol News., 125 (9), 48-54, 1973.
28. Lerk, C. F., Bolhuis, G. K., and de Boer, A. H., "Effect of Microcrystalline Cellulose on Liquid Penetration in and Disintegration of Directly Compressed Tablets," J. Pharm. Sci., 68 (2), 205-210, 1979.
29. van Kamp, H. V., Bolhuis, G. K., de Boer, A. H., Lerk, C. F., and Lie-A-Huen, L., "The Role of Water Uptake on Tablet Disintegration," Pharm. Acta Helv., 61, (1), 22-29, 1986.
30. Bolhuis, G. K., Smallenbroek, A. J., and Lerk, C. F., "Interaction of Tablet Disintegrants and Magnesium Stearate during Mixing I: Effect on Tablet Disintegration," J. Pharm. Sci., 70 (12), 1328-1330, 1981.
31. Kwan, K. C., Swart, F. O., and Mattocks, A. M., "Factors Affecting Tablet Disintegration," J. Am. Pharm. Assoc., Sci. Ed., 46 (4), 236-239, 1957.

32. Holstius, E. A., and DeKay, H. G., "A Statistical Study of Some Disintegrating and Binding Agents in Certain Compressed Tablets," J. Am. Pharm. Assoc., Sci. Ed., 41 (9), 1952.
33. Mendes, R. W., Brannon, J. L., "Tablet Binders," Drug Cosmet. Ind., 92 (11), 46, 1968.
34. Wan, L. S. C., and Choong, Y. L., "The Effect of Excipients on the Penetration of Liquid into Tablets," Pharm. Acta Helv., 51 (5), 150-156, 1986.
35. Miller, R. A., Down, G. R. B., Yates, C. H., and Millar, J. F., "An Evaluation of Selected Tablet Disintegrants," Can. J. Pharm. Sci., 15 (3), 55-58, 1980.
36. Vadas, S. B., Down, G. R. B., and Miller J. F., "Effect of Compressional Force on Tablets Containing Cellulosic Disintegrators I: Dimensionless Disintegration Values," J. Pharm. Sci., 73 (6), 781-783, 1984.
37. Khan, K. A., and Rooke, D. J., "Effect of Disintegrant Type upon the Relationship between Compressional Pressure and Dissolution Efficiency," J. Pharm. Pharmac., 28, 633-636, 1976.
39. Higuchi, T., Rao, A. N., Busse, L. W., and Swintosky, J. V., "The Physics of Tablets Compression. II. The Influence of Degree of Compression on Properties of Tablets," J. Am. Pharm. Assoc.,

- Sci. Ed., 42 (4), 194-200, 1953,
39. Higuchi, T., Elowe, L. N., and Busse L. W., "The Physics of Tablet Comprssion. V. Study on Aspirin, Lactose, Lactose-Aspirin and Sulfadiazine Tablets," J. Am. Pharm. Assoc., Sci. Ed. 43 (11), 685-689, 1954.
  40. Sakr, A. M., and Kassem, A. A., "Factors Affecting Tablet Hardness and Disintegration," Mfg. Chem. Aerosol News, 124 (9), 37-41, 1972.
  41. Kalidindi, S. R., and Shangraw, R. F., "Evaluation of Soy Polysaccharide as a Disintegrating Agent," Drug Devel. Ind. Pharm., 8 (2), 215-235, 1982.
  42. Hill, P. M., "Effect of Compression Force and Corn Starch on Tablet Disintegration Time," J. Pharm. Sci., 65 (11), 1694-1697, 1976.
  43. Ingram, J. T., and Lowenthal, W., "Mechanism of Action of Starch as a Tablet Disintegrant III. Factors Affecting Starch Grain Damage and Their Effect on Swelling of Starch Grains and Disintegration of Tablets at 37 ," J. Pharm. Sci., 57 (3), 393-399, 1968.
  44. Patel, N. R., and Hopponen, R. E., "Mechanism of Action of Starch as a Disintegrating Agent in Aspirin Tablets," J. Pharm. Sci., 55 (10), 1065-1068, 1966.
  45. Khan, K. A., and Rhodes, C. T., "Disintegration Properties of Clacium Phosphate Dibasic

Dihydrate Tablets," J. Pharm. Sci., 64 (1),<sup>186</sup>  
166-167, 1975.

46. Nyqvist, H., and Nicklasson, M., "Studies on the Physical Properties on Tablets and Tablet Excipients," Acta Pharm. Suec., 18, 305-314, 1981.
47. Nyqvist, H., and Lundgren, P., "Studies on the Physical Properties of Tablets and Tablet Excipients. VI. The Application of Accelerating Test Conditions to the Study of Water Sorption and Change in Hardness," Acta Pharm. Suec., 19, 401-411, 1982.
48. Nyqvist, H., and Nicklasson, M., "The Effect of Water Sorption on Physical Properties of Tablets Containing Microcrystalline Cellulose," Int. J. Pharm. Tech. & Prod. Mfr., 4 (3), 67-73, 1983.
49. Udeala, O. K., and Chukwu, A., "Tabletting Properties of Musol, A New Direct Compression Vehicle," Drug Devel. Ind. Pharm., 12 (11), 1587-1612, 1986.
50. Horhota, S. T., Burgio, J., Lonski, L., and Rhodes, C. T., "Effect of Storage at Specified Temperature and Humidity on Properties of Three Directly Compressible Tablet Formulations," J. Pharm. Sci., 65 (12), 1746-1749, 1976.
51. Sangekar, S. A., Sarli, M., and Sheth, P. R., "Effect of Moisture on Physical Characteristics of Tablets

- Prepared from Direct Compression Excipients," J. Pharm. Sci., 61 (6), 939-944, 1972.
52. Chowhan, Z. T., "The Effect of Low- and High-Humidity Ageing on the Hardness, Disintegration Time and Dissolution Rate of Dibasic Calcium Phosphate-based Tablets," J. Pharm. Pharmac., 32, 10-14, 1980.
53. Rudnic, E. M., Lausier, J. M., and Rhodes, C. T., "Comparative Aging Studies of Tablets Made with Dibasic Calcium Phosphate Dihydrate and Spray Dried Lactose," Drug Devel. Ind. Pharm., 5 (6), 589-604, 1979.
54. Chowhan, Z. T., "Moisture, Hardness, Disintegration and Dissolution Interrelationships in Compressed Tablets Prepared by the Wet Granulation Process," Drug Devel. Ind. Pharm., 5(1), 41-62, 1979.
55. Groves, M. J., and Alkan, M. H., "Apparent Validity of the Washburn Equation when Applied to Compressed Tablets," J. Pharm. Pharmac., 31, 575, 1979.
56. Alkan, M. H., and Groves, M. J., "Measuring Rates of Liquid Penetration into Tablets," Pharm. Technol., 6 (4), 57-67, 1982.
57. Wan, L. S. C., and Heng, P. W. S., "Liquid Penetration into Tablets Containing Surfactants," Chem. Pharm. Bull., 33 (6), 2569-2574, 1985.
58. Fukuoka, E., Kimura, S., and Yamazaki, M., "The Rate of



- Penetration of Liquid into Tablets. II.  
Influence of Second Ingredient and Mixing Ratio,"  
Chem. Pharm. Bull., 31 (3), 1030-1039, 1983.
59. Yuasa, H., and Kanaya, Y., "Studies on Internal  
Structure of Tablets. II. Effect of the Critical  
Disintegrator Amount on the Internal Structure of  
Tablets," Chem. Pharm. Bull., 34 (12), 5133-5139,  
1986.
60. Fukuoka, E., Kimura, S., and Yamazaki, M., "The Rate of  
Penetration of Liquid into Tablets," Chem. Pharm.  
Bull., 29 (1), 205-212, 1981.
61. Wells, J. I., and Langridge, J. R., "Dicalcium  
Phosphate Dihydrate-Microcrystalline Cellulose  
Systems in Direct Compression Tabletting,"  
Int. J. Pharm. Tech. & Prod. Mfr., 2 (2), 1-8,  
1981.
62. Fakouhi, T. A., Billups, N. F., and Sager, R. W.,  
"Wood Products, Corncob, and Cellulose as Tablet  
Disintegrating Agents," J. Pharm. Sci., 52 (7),  
700-705, 1963.
63. Fraser, D. R., and Ganderton, D., "The Effect of Starch  
Type, Concentration and Distribution on the  
Penetration and Disruption of Tablets by Water,"  
J. Pharm. Pharmac., 23, Suppl., 18S-24S, 1971.
64. Colombo, P., Conte, U., Caramella, C., Geddo, C., and  
Manna, A. L., "Disintegrating Force as a New  
Formulation Parameter," J. Pharm. Sci., 73 (5),

701-705, 1984.

65. List, P. H., and Muazzam, U. A., "Swelling-The Force that Disintegrates," Drugs Made in Germany, 21-24, 19
66. Gould, P. L., and Tan, S. B., "The Effect of Recompression on the Swelling Kinetics of Wet Massed Tablets, Containing 'Super' Disintegrants," Drug Devel. Ind. Pharm., 11 (9), 1819-1856, 1985.
67. Colombo, P., Caramella, C., Conte, U., and Manna, A. L., "Disintegrating Force and Tablet Properties," Drug Devel. Ind. Pharm., 7 (2), 135-153, 1981.
68. Caramella, C., Colombo, P., Ferrari, F., and Manna, A. L., "Water Uptake and Disintegrating Force Measurements: Towards a General Understanding of Disintegration Mechanisms," Drug Devel. Ind. Pharm., 12 (11), 1749-1766, 1986.
69. Higuchi, T., Nelson, E., and Busse, L. W., "The Physics of Tablet Compression. III. Design and Construction of an Instrumented Tableting Machine," J. Am. Pharm. Assoc., Sci. Ed., 43 (6) 344-348, 1954.
70. Nyqvist, H., "Saturated Salt Solutions for Maintaining Specified Relative Humidities," Int. J. Pharm. Tech. & Prod. Mfr., 4 (2), 47-48, 1983.
71. Rockland, L. B., "Saturated Salt Solutions for Static Control of Relative Humidity Between 5 and 40 C," Anal. Chem., 32, 1375-1376, 1960.

72. Lee, S. H., Dekay, H. G., and Banker, G. S., "Effect of Water Vapor Pressure on Moisture Sorption and the Stability of Aspirin and Ascorbic Acid in Tablet Matrices," J. Pharm. Sci., 54 (8), 1153-1158, 1965.



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