REFERENCES

- Nelson, E., "Influences of Dissolution Rate and Surface on Tetracycline Absorption," <u>J. Am. Pharm. Assoc.</u>, 48, 96, 1959.
- Beaubien, L.J., and Vanderwielen, A.J., "Particle-Size Analysis of Pharmaceutical Powders, "J. Pharm. Sci., 69(6), 651, 1980.
- 3. Ridolfo, A.S., Thompkins, L., Bechtol, L.D., and
 Carmichael, R.H., "Benoxaprofen, a New
 Anti-inflammatory Agent: Particle-Size Effect
 on Dissolution Rate and Oral Absorption in
 Humans," J. Pharm. Sci., 68(7), 850, 1979.
- 4. Aguiar, A.J., Zelmer, J.E., and Kinkel, A.W., "Deaggregation Behavior of a Relatively Insoluble Substituted Benzoic Acid and Its Sodium Salt, J. Pharm. Sci., 56(10), 1243, 1969.
- 5. Finholt, P., and Solvang, S., "Dissolution Kinetics of Drugs in Human Gastric Juice-The Role of Surface Tension," J. Pharm. Sci., 57(8), 1322-1326, 1968.
- 6. Nystrom, C., and Westberg, M., "The Use of Ordered

 Mixtures for improving the Dissolution Rate of

 Low solubility Compounds," J. Pharm. Pharmac.,

 38, 161-165, 1986.
- 7. McGinity, J.W., Ku, Chi-Tze, Bodmeier, R., and Harris, M.R., "Dissolution and Uniformity Properties of Ordered Mixes of Micronized Griseofulvin and a Directly Compressible Excipient," <u>Drug Devel.</u>
 Ind. Pharm., 11(4), 891-900, 1985.

- 8. Bloch, D.W., and Speiser, P.P., "Solid Dispersion Fundamentals and Examples," Pharm. Acta Helv., 62(1), 23-27, 1987.
- 9. Hersey, J.A., "Preparation and Properties of Ordered Mixtures," <u>Aust. J. Pharm. Sci.</u>, 6(1), 29-31, 1977.
- 10. Hersey, J.A., "Ordered Mixing: A New Concept in Powder Mixing Practice," <u>Powder Technol.</u>, 11, 41-44, 1975.
- 11. Cartiller, Louis, H., and Moes, Andre, J., "Effect of Flowing Adjuvants on the Homogeneity and the Kinetics of Mixing of Low Dosage Cohesive Powder Mixtures," Drug Devel. Ind. Pharm., 11(8&9), 1203-1218, 1986.
- 12. Wiedenbaum, S.S., "Mixing of Solids," <u>Advan. Chem. Eng.</u>,
 2, 238-260, 1958.
- 13. Valentin, F.H.H., Mixing of Powder, Paste and

 Non-Newtonian Fluids," Chem. Process. Eng., 48,

 69-71, 1967.
- 14. Ampolsuk, C., Mauro, J.V., Nyhuis, A.A., Shah, N., and Jarowski, C.I., "Influence of Dispersion Method on Dissolution Rate of Digoxin-Lactose and Hydrocortisone-Lactose Triturations I.,"
 J. Pharm. Sci., 63, 117-118, 1974.
- 15. Lieberman, H.A., and Lachman, I., Pharmaceutical Dosage

 Forms: Tablets. Vol.1, p.148, Marcel Dekker, Inc.,

 New York and Basel, 1980.
- 16. Nasir, S.S., Wilken, L.O., and Akhtar, Behroze,
 "Application of Gluconolactone in Direct Tablet
 Compression," J. Pharm. Sci., 66(3), 370, 1977.

- 17. Khan, K.A., and Rhodes, C.T., "The Production of Tablets by Direct Compression," <u>Can. J. Pharm. Sci.</u>, 8, 1-5, 1973.
- 18. Mendell, E.J., "Direct Compression Method of Producing Solid Dosage Forms, "Mfg. Chem. Aerosil News, 47-49, 1972.
- 19. Crooks, M.J., and R.HO, "Direct-Compression of Tablets.I.

 Prediction of Uniformity of Drug-Vehicle

 Mixtures," Aust. J. Pharm. Sci., 85-87, 1975.
- 20. Crooks, M.J., and R.HO, Ordered Mixing in Direct

 Compression of Tablets," <u>Powder Technol.</u>, 14,

 161-176, 1976.
- 21. Lai, F.K.Y., and Hersey, J.A., Simulated Ordered Powder

 Mixture, "Int. J. Pharm., 36, 157-164, 1987.
- 22. Yip, C.W., and Hersey, J.A., Segregation in Ordered Powder Mixtures," <u>Powder Technol.</u>, 149-150, 1977.
- 23. Thanomkiat, P., Stewart, P.J., and Grover, P.S.,

 "Influences of Carrier Particle Size on

 Prednisone-Direct Compression Vehicle Ordered

 Mixes," Powder Technol., 24, 97-98, 1979.
- 24. Johnson, M.C.R., "Powder Mixing in Direct Compression Formulation by Ordered and Random Processes,"
 J. Pharm. Sci., 31, 273-276, 1979.
- 25. Staniforth, J.N., and Thacker C.J., "Ordered Unit

 Segregation in a Tumbling Blender," Pharm.

 Acta Helv., 59 Nr. 5-6, 1984.

- 26. Sallam, E.A., Badwan, A., and Takieddin, M., "Surface Characterisation of Sucrose and Antibiotic Powder Mixes with Revelence to Mixing Theories," <u>Drug</u> <u>Devel. Ind. Pharm.</u>, 12(11-13), 1731-1748, 1986.
- 27. Staniforth, J.N., "Ordered Out of Chaos," <u>J. Pharm.</u>

 Pharmac., 39, 329-331, 1987.
- 28. Bryan, L., Rungvejhavuttivittya, Y., and Stewart, P.J.,

 "Mixing and Demixing of Microdose Quantities

 of Sodium Salicylate in a Direct Compression

 Vehicle," Powder Technol., 147-151, 1979.
- 29. Staniforth, J.N., Rees, J.E., and Kayes, J.B.,

 "Relation Between Mixing Time and Segregation

 of Ordered Mixes," <u>J. Pharm. Pharmacol.</u>, 33,

 175-176, 1981.
- 30. Lieberman, H.A., and Lachman, L., Pharmaceutical Dosage
 Forms: Tablets Vol.2, p.247, Marcel Dekker,
 Inc., New York and Basel, 1980.
- 31. Panaggio, A., Rhodes, C.T., Schwartz, J.B., "Properties of Mixtures of Two Tablet Matrices," Pharm.

 Acta Helv., 62(1), 23-27, 1987.
- 32. Reynolds, E.F., and Prasad, A.B., <u>Martindale</u>, p.479,
 The Pharmaceutical Press., London, 28th ed., 1982.
- 33. "An Annoted List of Drugs with a Potential for
 Therapeutic Inequivalence Based on Current
 Evidence of Product Bioavailability
 Inequivalence," J. Am. Pharm. Assoc., 279-280,
 NS 13(1973): 279-280.

- 34. The United States Pharmacopeia, 20th rev, The National
 Formularly. 15th ed., pp.651, 1149, United States

 Pharmacopeial Convection Inc., Rockville, Md., 1980.
- 35. Esezobo, S., "The Effect of Some Excipients on the Physical Properties of a Paracetamol Tablet Formulation," <u>J. Pharm. Pharmacol.</u>, 37, 193-195, 1984.
- 36. Lieberman, H.A., and Lachman, L., Pharmaceutical Dosage
 Forms: Tablets Vol.1, p.160, Marcel Dekker,
 Inc., New York and Basel, 1980.
- 37. Shangraw, R.F., Wallace, J.W., and Bowers, F.M.,

 "Morphology and Functionality in Tablet

 Excipients for Direct Compression: part I,"

 Pharm. Tech., pp.69-78, (Sept.), 1981.
- 38. Gillard, J., and Delattre, L., "Comparative Study of Crystalline, Spray Dried and Microgranular lactose Types for Direct Compression," Meggle Information, Nr.5ef.

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