References

References

1. Abraham, A.S., B.A. Brooks, U. Eylath. The effects of chromium supplementation on serum glucose and lipids in patients with and without non-insulin-dependent diabetes. *Metabolism.* 1992;41:768-771. (see reference #309 in petition)

2. Amato, P., A.J. Morales, S.S. Yen. Effects of chromium picolinate supplementation on insulin sensitivity, serum lipids, and body composition in healthy, nonobese, older men and women. *Journal of Gerontology Biological Science Medical Science.* 2000;55:M260-M263. (see reference #333 in petition)

3. The American Heritage® Dictionary of the English Language, 4th Ed. Houghton Mifflin Company, 2004. *Answers.com* GuruNet Corp. 24 Aug. 2005. http://www.answers.com/topic/ionization-potential

4. Anderson, R.A., N. Cheng, N.A. Bryden, N.M. Polansky, N. Cheng, J. Chi, J. Feng. Elevated intakes of supplemental chromium improve glucose and insulin variable in individuals with type 2 diabetes. *Diabetes.* 1997;46:1786-1791. (see reference #296 in petition)

5. Anderson, R.A., N.A. Bryden, M.M. Polansky, K. Gautschi. Dietary chromium effects on tissue chromium concentrations and chromium absorption in rats. *Journal of Trace Elements in Experimental Medicine.* 1996;9:11-25.

6. Anderson, R.A., M.M. Polansky, N.A. Bryden, J.J. Canary. Supplemental-chromium effects on glucose, insulin, glucagons, and urinary chromium losses in subjects consuming controlled low-chromium diets. *American Journal of Clinical Nutrition.* 1991;54:909-916. (see reference #283 in petition)

7. Anderson R.A., M.M. Polansky, N.A. Bryden, S.J. Bhathena, J.J. Canary. Effects of supplemental chromium on patients with symptoms reactive hypoglycemia. *Metabolism.* 1987. 36:351-355. (see reference #351 in petition)

8. Anderson, R.A., M.M. Polansky, N.A. Bryden, E.E. Roginski, W. Mertz, W. Glinsmann. Chromium supplementation of human subjects: effects on glucose, insulin, and lipid variables. *Metabolism.* 1983;32:894-899. (see reference #310 in petition)

9. Bahijiri, S. M., S.A. Mira, A.M. Mufti, M.A. Ajabnoor. The effects of inorganic chromium and brewer's yeast supplementation on glucose tolerance, serum lipids and drug dosage in individuals with type 2 diabetes. *Saudi Medical Journal.* 2000;21:831-837. (see reference #311 in petition)

10. Boyd, G.S., B.E. Boone, A.R. Smith, J. Conners, G.L. Dohm. Combined dietary chromium picolinate supplementation and an exercise program leads to a reduction of

serum cholesterol and insulin in college-aged subjects. *Journal of Nutritional Biochemistry.* 1998;9:471-475. (see reference #336 in petition)

11. Carter, J.P., A. Kattab, K. Abd-el-Hadi, J.T. Davis, A. el Gholmy, V.N. Patwardhan. Chromium (3) in hypoglycemia and in impaired glucose untilization in kwashiorkor. *American Journal of Clinical Nutrition.* 1968;21:195-202. (see reference #330 in petition)

12. Cefalu, W.T., A.D. Bell-farrow, J. Stegner, Z.Q. Wand, T. King, T. Morgan, J.G. Terry. Effect of chromium picolinate on insulin sensitivity in vivo. *Journal of Trace Elements in Experimental Medicine.* 1999;12:71-83. (see reference #53 in petition)

13. Cheng, N., X. Zhu, S. Hongli, W. Wo, J. Chi, J. Cheng, R. Anderson. Follow-up survey of people in China with type 2 diabetes mellitus consuming supplemental chromium. *Journal of Trace Elements in Medicine and Biology.* 1999;12:55-60. (see reference #298 in petition)

14. The Columbia Electronic Encyclopedia, 6th Ed. Columbia University Press, 2003. *Answers.com* GuruNet Corp. 24 Aug. 2005. http://www.answers.com/topic/complex-chemistry

15. Crawford, V., R. Scheckenbach, H.G. Preuss. Effects of niacin-bound chromium supplementation on body composition in overweight African-American women. *Diabetes Obesity and Metabolism.* 1999;1:331-337.

16. Elias, A.N., M.K. Grossman, L.J. Valenta. Use of the artificial beta cell (ABC) in the assessment of peripheral insulin sensitivity: effect of chromium supplementation in diabetic patients. *General Pharmacology.* 1984. 15:535-539. (see reference #317 in petition)

17. Evans, G.W. The effect of chromium picolinate on insulin controlled parameters in humans. *International Journal of Biosocial Medical Research.* 1989;11:163-180. (see reference #299 in petition)

18. Federal Judicial Center. Reference Manual on Scientific Evidence, 2nd Ed. 2000, p. 93.

19. Frauchiger, M.T., W. Caspar, P.C. Colombani. Effects of acute chromium supplementation on postprandial metabolism in healthy young men. *Journal of the American College of Nutrition.* 2004; 23:351-357. (see docket for 11/22/04 submission by petitioner)

20. Ghosh, D, B. Bhattacharya, B. Mukherjee, B. Manna. Role of chromium supplementation in Indians with type 2 diabetes mellitus. *Journal of Nutritional Biochemistry.* 2002;13:690-697. (see reference #301 in petition)

21. Gill, T.P., M.L. Wahlqvist, D.M. Flint. The effects of short-term chromium supplementation on insulin response to a glucose load in health subjects. *Proceedings of the Nutrition Society of Australia.* 1981;6:98.

22. Glinsmann W.H., W. Mertz. Effect of trivalent chromium on glucose tolerance. *Metabolism.* 1966;15:510-520. (see reference #312 in petition)

23. Grant, K.E., R.M. Chandler, A.L. Castle, J.L. Ivy. Chromium and exercise training: effect on obese women. *Medical Science Sports Exercise.* 1997;29:992-998. (see reference #334 in petition)

24. Grant, A.P., J.K. McMullen. The effect of brewers yeast containing glucose tolerance factor on the response to treatment in Type 2 diabetes. A short controlled study. *Ulster Medical Journal.* 1982;51:110-114.

25. Gunton, J.E., N.W. Cheng, R. Hitchman, G. Hams, C. O'Sullivan, K. Foster-Powell, A. McElduff. Chromium supplementation does not improve glucose tolerance, insulin sensitivity or lipid profile. *Diabetes Care.* 2005;28:712-713. (see docket for 3/22/05 submission by petitioner)

26. Gurson, C.T., G. Saner. Effect of chromium on glucose utilization in marasmic protein-calorie malnutrition. *American Journal of Clinical Nutrition.* 1971;24:1313-1319. (see reference #325 in petition)

27. Hermann, J., A. Arquitt, B. Stoecker. Effects of chromium supplementation on plasma lipids, apoproteins, and glucose in elderly. *Nutrition Research.* 1994;14:671-674.

28. Hermann, J., H. Chung, A. Arquitt, C. Goad, M. Burns, B. Chan. Effects of chromium or copper supplementation on plasma lipids, plasma glucose and serum insulin in adults over age fifty. *Journal of Nutrition for the Elderly.* 1998;18:27-45.

29. Hill A.B. The environment and disease: association or causation? *Proceedings of the Royal Society of Medicine.* 1965;58:295-300.

30. Hopkins, L.L., O. Ransome-Kuti, A.S. Majaj. Improvement of impaired carbohydrate metabolism by chromium 3 in malnourished infants. *American Journal of Clinical Nutrition.* 1968;21:203-211. (see reference #324 in petition)

31. IOM, Institute of Medicine. Dietary Reference Intakes for Vitamin A, Vitamin K, Arsenic, Boron, Chromium, Copper, Iodine, Iron, Manganese, Molybdenum, Nickel, Silicon, Vanadium, and Zinc. National Academies Press, Washington, DC. Copyright© 2001; Chapter 6.

32. IOM, Institute of Medicine. Dietary Supplements: A Framework for Evaluating Safety. National Academies Press, Washington, DC. Copyright© 2005; Chapter 7 and Appendix G.

33. Joseph, L.J., P.A. Farrell, S.L. Davey, W.J. Evans, W.W. Campbell. Effect of resistance training with or without chromium picolinate supplementation on glucose metabolism in older men and women. *Metabolism.* 1999;48:546-553. (see reference #337 in petition)

34. Jovanovic-Peterson, L., M. Gutierrez, C.M. Peterson. Chromium supplementation for women with gestational diabetes mellitus. *Journal Trace Elements in Medicine and Biology.* 1999;12:91-97. (see reference #303 in petition)

35. Kato, I., J.H. Vogelman, V. Dilman, J.Karkoszka, K. Frenkel, N.P. Durr, N. Orentreich, P. Toniolo. Effect of supplementation with chromium picolinate on antibody titers to 5-hydroxymethyl uracil. *European Journal of Epidemiology.* 1998;14:621-626.

36. Lee, N.A., C.A. Reasner. Beneficial effect of chromium supplementation on serum triglyceride levels in NIDDM. *Diabetes Care.* 1994;17:1449-1452. (see reference #308 in petition)

37. Lefavi, R., D. Wilson, R. Keith, R. Anderson, D. Blessing, C. hames, J. McMillian. Lipid-lowering effect of a dietary chromium (III) nicotinic acid complex in male athletes. *Nutrition Research.* 1993;13:239-249. (see reference #331 in petition)

38. Li, Y.C., S.J. Shin, J.C. Chen. Effects of brewer's yeast and torula yeast on glucose tolerance, serum lipids and chromium contents in adult human beings. *Journal of the Chinese Nutrition Society.* 1992;17:147-155.

39. Li, Y.C. Effects of brewer's yeast on glucose tolerance and serum lipids in Chinese adults. *Biological Trace Element Research.* 1994;41:341-347.

40. Liu, V.J., J.S. Morris. Relative chromium response as an indicator of chromium status. *American Journal of Clinical Nutrition.* 1978;31:972-976.

41. Martinez, O.B., A.C. MacDonald, R.S. Gibson. Dietary chromium and effect of chromium supplementation on glucose tolerance of elderly Canadian women. *Nutrition Research* 1985;5:609-620. (see reference #327 in petition)

42. Morris, B.W., S. Kouta, R. Robinson, S. MacNeil, S. Heller. Chromium supplementation improves insulin resistance in patients with type 2 diabetes mellitus. *Diabetes Medicine* 2000;17:684-685. (see reference #304 in petition)

43. Mossop, R.T. Effects of chromium III on fasting blood glucose, cholesterol, and cholesterol HDL levels in diabetics. *Central African Journal of Medicine*. 1983;29:80-82. (see reference #313 in petition)

44. Offenbacher, E.G., F.X. Pi-Sunyer. Beneficial effect of chromium-rich yeast on glucose tolerance and blood lipids in elderly subjects. *Diabetes*. 1980;29:919-925. (see reference #318 in petition)

45. Offenbacher, E.G., C.J. Rinko, F.X. Pi-Sunyer. The effects of inorganic chromium and brewer's yeast on glucose tolerance, plasma lipids, and plasma chromium in elderly subjects. *Diabetes*. 1985;29:919-925.

46. Olin, K.L., D.M. Stearns, W.H. Armstrong, C.L. Keen. Comparative retention/absorption of ^{51}chromium (^{51}Cr) from ^{51}Cr chloride, ^{51}Cr nicotinate, and ^{51}Cr picolinate in a rat model. *Trace Elements and Electrolytes*. 1994;11:182-186.

47. Pasman, W.J., M.S. Westerterp-Plantenga, W.H. Saris. The effectiveness of long-term supplementation of carbohydrate, chromium, fibre, and caffeine on weight maintenance. *International Journal of Obstetrics Related Metabolic Disorders*. 1997;21:1143-1151. (see reference #335 in petition)

48. Potter, J.F., P Levin, R.A. Anderson, J.M. Freiberg, R. Andres, D. Elahi. Glucose metabolism in glucose-intolerant older people during chromium supplementation. *Metabolism*, 1985; 34:199-204. (see reference #328 in petition)

49. Press, R.I., J. Gelleer, G.W. Evans. The effect of chromium picolinate on serum cholesterol and apolipoprotein fractions in human subjects. *Western Journal of Medicine*. 1990;152:41-52. (see reference #362 in petition)

50. Rabinovitz, H., A. Friedensohn, A. Leibovitz, G. Gabay, C. Rocas, B. Habot. Effect of chromium supplementation on blood glucose and lipid levels in type 2 diabetes mellitus elderly patients. *International Journal of Vitamin Nutrition Research*. 2004; 74(3):178-182. (see docket for 11/12/04 submission by peitioner)

51. Rabinowitz M.B., H.C. Gonick, S.R. Levin, M.B. Davidson. Effects of chromium and yeast supplements on carbohydrate and lipid metabolism in diabetic men. *Diabetes Care*. 1983;6:319-327. (see reference #314 in petition)

52. Ravina, A., L. Slezak, A. Rubal, N. Mirsky. 1995. Clinical sue of the trace element chromium (III) in the treatment of diabetes mellitus. *Journal of Trace Elements in Medicine and Biology*. 1995;8:183-190. (see reference #306 in petition)

53. Ravina, A., L. Slezak, N. Mirsky, N.A. Bryden, R.A. Anderson. Reversal of corticosteroid-induced diabetes mellitus with supplemental chromium. *Diabetes Medicine*. 1999;16:164-167. (see reference #307 in petition)

54. Riales, R., M.J. Albrink. Effect of chromium chloride supplementation on glucose tolerance and serum lipids including high-density lipoprotein of adult men. *American Journal of Clinical Nutrition.* 1981;34:2670-2678. (see reference #323 in petition)

55. Sherman L., J.A. Glennon, W.J. Brech, G.H. Klomberg, E.S. Gordon. Failure of trivalent chromium to improve hyperglycemia in diabetes mellitus. *Metabolism.* 1968. 17:439-442. (see reference #315 in petition)

56. Spilker, B. Guide to Clinical Studies. Raven Press, New York, New York. 1991, p. 59-64, 498, 793.

57. Stedman's Medical Dictionary. Lippincott Williams & Wilkins. Copyright© 2004. See http://www.stedmans.com/.

58. Thomas, V.L., S.S. Gropper. Effect of chromium nicotinic acid supplementation on selected cardiovascular disease risk factors. *Biological Trace Element Research* 1996;55:297-305. (see reference #319 in petition)

59. Torun, B., F. Chew. Modern Nutrition in Health and Disease, 8th Ed. Shils, M.E., J.A. Olsen, M. Shike, eds. Lea and Febriger, Baltimore, Maryland. Copyright© 1994; Chapter 57.

60. Trow, L.G., J. Lewis, R.H. Greenwood, M.J. Sampson, K.A. Self, H.M. Crews, S.J. Fairweather-Tait. Lack of effect of dietary chromium supplementation on glucose tolerance, plasma insulin and lipoprotein levels in patients with type 2 diabetes. *International Vitamin Nutrition Research.* 2000;70:14-18. (see reference #320 in petition)

61. Uusitupa M., L. Mykkanen, O. Siitonen, M. Lasko, H. Sarlund, P. Kolehmainen, T. Rasanen, J. Kumpulainen, K. Pyorala. Chromium supplementation in impaired glucose tolerance of elderly:effects of blood glucose, plasma insulin, C-peptide and lipid levels. *British Journal of Nutrition.* 1992;68:209-216. (see reference #321 in petition)

62. Uusitupa MI, J.T. Kumpulainen, E. Voutilainen, K. Hersio, H. Sarlund, K.P. Pyorala, P.E. Koivistoinen, J.T. Lehto. Effect of inorganic chromium supplementation on glucose tolerance, insulin response, and serum lipids in non-insulin-dependent diabetics. *American Journal of Clinical Nutrition.* 1983;38:404-410. (see reference #316 in petition)

63. Urberg, M., Zemel, M.B. Evidence for synergism between chromium and nicotinic acid in the control of glucose tolerance in elderly humans. *Metabolism.* 1987;36:896-899. (see reference #322 in petition)

64. Vincent, J.B. Quest for the molecular mechanism of chromium action and its relationship to diabetes. *Nutrition Reviews* 2000;58:67-72. (see reference #289 in petition)

65. Vinson, J.A., P. Bose. The effect of high chromium yeast on blood glucose control and blood lipids of normal and diabetic human subjects. *Nutrition Reports International*. 1984;30:911-918.

66. Volpe, S.L., H.W. Huang, K. Larpadosorn, I. Lester. Effect of chromium supplementation and exercise on body composition, resting metabolic rate and selected biochemical parameters in moderately obese women following an exercise program. *Journal of the American College of Nutrition*. 2001;20:293-306. (see reference #338 in petition)

67. Vrtovec, M., B. Vrtovec, A. Briski, A. Kocijancic, R. Anderson, B. Radovancevic. Chromium supplementation shortens QTc interval duration in patients with type 2 diabetes mellitus. American Heart Journal. 2005;149:632-636. (see docket for 8/11/05 submission by petitioner)

68. Walker, L.S., M.G. Bemben, D.A. Bemben, A.W. Knehans. Chromium picolinate effects on body composition and muscular performance in wrestlers. *Medicine Science Sports Exercise*. 1998;30:1730-1737. (see reference #271 in petition)

69. Wang, M., E. Fox, B. Stoecker, C. Menendez, S.B. Chan. Serum cholesterol of adults supplemented with brewer's yeast of chromium chloride. *Nutrition Research*. 1989;9:989-998. (see reference #332 in petition)

70. Wilson, B.E., A. Gondy. Effects of chromium supplementation on fasting insulin levels and lipid parameters in healthy, non-obese young subjects. *Diabetes Research Clinical Practice*. 1995;28:179-184. (see reference #278 in petition)

71. Wilson, E.B. An Introduction to Scientific Research. Dover Publishing. 1990, pages 46-48.