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<p>(21) International Application Number: PCT/US95/07419</p> <p>(22) International Filing Date: 9 June 1995 (09.06.95)</p> <p>(30) Priority Data: 08/285,242 3 August 1994 (03.08.94) US 08/438,869 23 May 1995 (23.05.95) US</p> <p>(71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).</p> <p>(72) Inventors: SAKAMA, Robert, Joseph; 136 Shingle Oak Drive, Loveland, OH 45140 (US). WEHMEIER, Thomas, Joseph; 960 Hickoryview Drive, Cincinnati, OH 45233 (US). SEVENANTS, Michael, Robert; 324 Overton Street, Newport, KY 41071 (US). SANDERS, Robert, Alan; 915 Maple Ridge Court, Fairfield, OH 45014 (US).</p> <p>(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).</p>		<p>(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).</p> <p>Published With international search report.</p> <p>— RTMP COPY —</p> <p>SG 9700533-4</p> <p>① PCT Pub + SR</p> <p>② IR ER</p> <p>③ Replacement sheet 3-2-98</p>
<p>(54) Title: STABLE VITAMIN A</p> <p>(57) Abstract</p> <p>A process for purifying vitamin A consisting of heating a vitamin A preparation in an inert atmosphere, at a temperature below 170 °C and a pressure of less than 4 mm of mercury, said heating taking place in a vessel shielded from light is disclosed. The vitamin A obtained from this process is mixed with from 0.5:1 to 2:1 parts of tocopherol to vitamin A. The vitamin A and tocopherol mixture can be encapsulated in acacia gum, starch, pectins or other suitable materials. When the vitamin A is encapsulated, the level of tocopherol required is less, preferably from 0.05:1 to about 1:1 parts of tocopherol to vitamin A is used in an encapsulated vitamin A composition. Other antioxidants can be added.</p>		

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