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(54) Title (EN): LAUNDRY DETERGENT COMPOSITION

(54) Title (FR): COMPOSITION DE DÉTERGENT À LESSIVE

(57) Abstract:

(EN): The present invention relates to a solid free flowing particulate laundry detergent composition comprising: (a) anionic deterative surfactant; (b) from 0wt% to 8wt% zeolite builder; (c) from 0wt% to 4wt% phosphate builder; (d) from 0wt% to 8wt% sodium carbonate; (e) from 0wt% to 8wt% sodium silicate; (f) from 4wt% to 20wt% organic acid; and (g) variant of the wild-type amylase from *Bacillus* sp. which has at least 90% identity for amino acid sequence SEQ ID NO:6, and which comprises one or more mutations at positions 9, 26, 30, 33, 82, 37, 106, 118, 128, 133, 149, 150, 160, 178, 182, 186, 193, 195, 202, 214, 231, 256, 257, 258, 269, 270, 272, 283, 295, 296, 298, 299, 303, 304, 305, 311, 314, 315, 318, 319, 320, 323, 339, 345, 361, 378, 383, 419, 421, 437, 441, 444, 445, 446, 447, 450, 458, 461, 471, 482 and/or 484, preferably that also contain the deletions of D183* and G184, wherein the composition at 1wt% dilution in deionized water at 20°C, has an equilibrium pH in the range of from 6.5 to 9.0.

(FR): L'invention concerne une composition de détergent à lessive particulaire à écoulement libre, solide, comprenant : (a) un tensioactif détersif anionique ; (b) de 0 à 8% en poids d'adjuvant de zéolite ; (c) de 0 à 4% en poids d'adjuvant de phosphate ; (d) de

0 à 8% en poids de carbonate de sodium ; (e) de 0 à 8% en poids de silicate de sodium ; (f) de 4 à 20% en poids d'acide organique ; et (g) un variant de l'amylase de type sauvage issu de Bacillus sp. présentant au moins 90% d'identité pour la séquence d'acides aminés SEQ ID NO:6 et comprenant au moins une mutation aux positions 9,26,30, 33,82,37, 106 118 128, 133 149 150, 160 178 182, 186 193 195, 202 214 231, 256 257 258, 269 270 272, 283 295 296, 298 299 303, 304 305 311, 314 315 318, 319 320 323, 339 345 361, 378 437 441, 444 445 446, 447 450 458, 461, 471, 482 et/ou 484, de préférence comprenant également les délétions de D183 * et de G184, la composition à 1% en poids de dilution dans de l'eau désionisée à 20°C présentant un pH d'équilibre situé sur la plage comprise entre 6,5 et 9,0.

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