

Title (en)
LOW PH LAUNDRY DETERGENT COMPOSITION

Title (de)
WASCHMITTELZUSAMMENSETZUNG MIT NIEDRIGEM PH

Title (fr)
COMPOSITION DE DÉTERGENT POUR LESSIVE À BAS PH

Publication
EP 3301147 A1 20180404 (EN)

Application
EP 16192031 A 20161003

Priority
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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) a variant of the wild-type lipase from *Thermomyces lanuginosus* which has at least 90% identity for amino acid sequence SEQ ID NO:1; and which comprises T231R and/or N233R mutations; wherein the composition comprises from 30wt% to 90wt% base detergent particle, wherein the base detergent particle comprising (by weight of the base detergent particle): (a) from 4wt% to 35wt% anionic deterative surfactant; (b) optionally, from 1wt% 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 1wt% to 10wt% organic acid; and (g) optionally, from 1wt% to 10wt% magnesium sulphate, 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.

IPC 8 full level
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Citation (search report)
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