

ABSTRACT

A STABILIZED PHARMACEUTICAL FORMULATION COMPRISING GROWTH HORMONE AND HISTIDINE

A pharmaceutical preparation comprising a growth hormone and histidine or a derivative of histidine as additive or buffering substance shows a very high stability against deamidation, oxidation and cleavage of peptide bonds. The stability of the product allows for the storage and shipment thereof in a lyophilized state or in the form of a dissolved or re-dissolved preparation at ambient temperature. Crystallization of growth hormone in the presence of histidine or a derivative thereof gives rise to a higher yield of crystal having a higher purity than known methods.