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(54) **Title**: QUANTIFICATION OF IMPURITIES FOR RELEASE TESTING OF PEPTIDE PRODUCTS

(57) **Abstract**: The present invention relates to a method for the quantitative determination of an impurity present in a peptide product, wherein the impurity cannot be separated from other impurities or the main product. The method particularly involves the use of high resolution mass spectrometry (MS) detection with or without high performance liquid chromatography (HPLC). The method can be used for the investigation of the quality of peptides and proteins, particularly of pharmaceutical peptides and proteins.