

Title (en)

RAPID TEST FOR DETERMINING THE EFFECT IRRADIATION HAS ON THE ABRASION OF A GRANULATE

Title (de)

SCHNELLTEST ZUR ERMITTLUNG DES EINFLUSSES EINER BESTRAHLUNG AUF DEN ABRIEB EINES GRANULATS

Title (fr)

ESSAI RAPIDE POUR DÉTERMINER L'INFLUENCE D'UN RAYONNEMENT SUR L'ABRASION DE GRANULÉS

Publication

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Application

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Abstract (en)

[origin: WO2010081633A2] The invention relates to a rapid test for determining the effect irradiation has on the abrasion of a granulate, wherein i.) the abrasion of a granulate prior to irradiation is determined, ii.) the granulate is irradiated, and iii.) the abrasion of the irradiated granulate is determined. The rapid test is characterized in that the abrasion is determined by a) grinding the granulate in a cutting mill, b) subjecting the ground product to sieve analysis and c) comparing the result of the sieve analysis to at least one reference value to classify the abrasion of the granulate, and is further characterized in that the granulate is irradiated by arranging a plurality of granulate particles in a sample container (2) and irradiating the same with a radiation lamp (3), the granulate particles being periodically mixed during irradiation so that different surfaces of the granulate particles are irradiated.

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