Spiked environmental matrix for use as a reference material for gamma-ray spectrometry: Production and homogeneity test

Abstract:
The application of a spiking method for reference material production and its utilization for a food matrix is presented. The raw rice powder was characterised by means of γ-ray spectrometry and spiked with 137Cs solution. The spiked material was mixed and tested for homogeneity. The future use of the rice powder reference material after the entire characterisation cycle will be for γ-ray spectrometry method validation.

URI:

Authors:
SOBIECH-MATURA Katarzyna
MATE Borbala
ALTZITZOLOU Timotheos

Publication Year:
2016

Science Areas:
Standards [2]

Keywords:
food/feed [3]
reference material [4]
safety [5]

Publisher:
PERGAMON-ELSEVIER SCIENCE LTD

ISSN:
0969-8043

DOI:
10.1016/j.apradiso.2015.11.018 [6]

Citation:
Source URL:

Links