

Abstract

To determine the concentrations of ochratoxin A in wheat, and its derivatives, 81 samples, including durum wheat ($n = 27$), common wheat ($n = 12$), semolina ($n = 29$) and flour ($n = 13$) were collected from regions of Algeria. The results showed that 62 of the 81 samples (76.54%), were contaminated with quantities of ochratoxin A ranging from 0.84 to 34.75 $\mu\text{g}/\text{kg}$. The results showed that 69.23% of wheat grains were contaminated with ochratoxin A (0.21–27.31 $\mu\text{g}/\text{kg}$). Ochratoxin A were detected both in semolina and flour manufacturing process (0.16–34.75 $\mu\text{g}/\text{kg}$). Ochratoxin A level seem to be a serious public health problem in Algeria.