



## Ácidos fenólicos con actividad antioxidante en salvado de maíz y salvado de trigo [

2016

text (article)

Analítica

Soluble and bound phenolic acids were obtained from maize and wheat bran and the level of total phenols were determined (Folin-Ciocalteu), phenolic acids (HPLC), antioxidant activity (DPPH, ORAC) and the presence of diferulic acids (UV spectra). The concentrations of total phenols, ferulic acid, and coumaric acid ranged from 1 637 to 9 718  $\mu\text{g EAF g}^{-1}$ , from 12 to 4 527  $\mu\text{g g}^{-1}$  and from 7 to 664  $\mu\text{g g}^{-1}$ , while the antioxidant activity  $\mu\text{mol ET g}^{-1}$  acids 8-8', 8-5', 5-5' and 8-0-4' was identified in the bound fractions. All fractions presented significant levels of total phenols, phenolic acids and antioxidant activity, the bound fraction of maize bran being the one that presented the highest concentrations

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