Isoflavones content of soybean derived foods available in mayor supermarket chains in Spain

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54 SOYBEAN DERIVED FOODS FROM SPANISH SUPERMARKET

HPLC-DAD 5.8 minutes 

ULTRASONIC EXTRACTION* 50% EtOH

12 Isoflavones

RESULTS

Soybean Beverages and Juices

Glycoside and malonyl Glucosides formation predominant.

Each group is the same brand and they have similar amount of soybean, but there is a great variability in concentration.

Pearson Correlation

R² = 0.4394

Positive and significant correlation between soybean amounts and total isoflavones content.

Animal milks with added isoflavones. According to the profile is an extract of glycosides.

CONCLUSIONS

Analysis of this samples revealed that isoflavones profile and concentration is highly variable and depends of several factors, including soybean variety, processing and storage.

2. N. Manchón et al., Talanta 82 (2010) 1986

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