

The study of the reducing effect variation in the glucose–glycine model system

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Abstract The main purpose is to investigate the reducing power of Maillard reaction products (MRP) prepared by heating glucose and glycine in water solution at molar ratio 1:1 for 0–8 h was investigated. The reducing power was determined by Shaffer–Shomogyi analytical method. The reducing effect of MRP has increased along with the duration of reaction. This effect was correlated with the absorbance at 420 nm and the pH values of the model system.

Keywords: Maillard reaction, model system, glucose, glycine
