Abstract

A food package including a pH indicator that includes a dye chemically bound to a block co-polymer is provided. The dye includes Bromocresol purple (BCP) that includes Formula (A), and the block co-polymer includes a chemical structure of Formula (B), Formula (C), Formula (D), or Formula (E). Each of the block co-polymers has a high hydrophilicity, and the pH indicator that includes the block co-polymers with the high hydrophilicity has a high colour performance on spoilt meat. [Fig.1]