

Quantitative Analysis of Food Additives: Assessing the Presence and Concentrations in Processed Foods

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Abstract: *This research aims to conduct a comprehensive quantitative analysis of various food additives present in processed foods. The study employs advanced analytical chemistry techniques, such as chromatography and spectroscopy, to determine the types and concentrations of additives, including preservatives, colourants, flavour enhancers, and abolishers. The research investigates how these additives contribute to the overall composition of processed foods and assesses their potential health implications. By providing a detailed understanding of the additive profiles in commonly consumed products, this study contributes to informed decision-making regarding food choices and regulatory considerations in the food industry*



Keywords: food additives, quantitative analysis, processed foods, chromatography, spectroscopy, preservatives, colourants, flavour enhancers, stabilisers, health implications, regulatory considerations, food industry