

Teixeira, R., Ribas, T. C. F., Almeida, A., Pintado, M., & Rangel, A. O. S. S. (2024). *Flow-based method for total protein content monitoring in by-products hydrolysates*. Abstract from XXVIII Encontro Galego Português de Química, Vigo, Spain.

For this purpose, the conventional and reliable Biuret method was used. This method was chosen for its ease of preparation and the use of reagents with associated low toxicity. The flow-based approach consisted of a double injection of the sample and reagent in a continuous stream, resulting in the reduction of the reagent consumption. For the development of the flow injection analysis (FIA) system, essential parameters, including reagent concentration, flow rate and reactor length, were optimized. The method was validated across various matrices, addressing potential interferences, and demonstrated repeatability and reproducibility. This optimized protocol offers a robust, efficient tool for the food industry, enhancing quality control and nutritional assessments.