

## 7<sup>th</sup> International Conference and Exhibition on

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and  
Abbott Nutrition Research and Development, Singapore

The purpose of this research method is to determine sugar profile (mono- and disaccharides) of Abbott nutritional products in fulfillment of the "Sugar" label claim. In this method, the sugars (galactose, glucose, fructose, sucrose, lactose and maltose) were extracted from product primarily by dilution in water. The sugars were analyzed via high performance anion exchange coupled with pulsed amperometric detection (HPAEC/PAD). The HPAEC/PAD Dionex ICS5000 system was equipped with a triple pulsed electrochemical cell (ED) with a pH reference electrode (Ag/AgCl), a gold working electrode, and a borate trap in tandem with a PA1 analytical column. Quantitation was accomplished using a six level quadratic curve and peak area. Sugars were analyzed by HPAEC/PAD via a new gradient elution program to ensure adequate resolution of the analytes of interest and known interferences from AN commodities. Method specificity was successfully evaluated by comparing the retention times

### Notes: