

## International Conference & Exhibition Bioequivalence and Bioavailability 2010

## TITLE

## QUANTITATION OF ALPHA Amyrin in Scoparia Dulcis L. Whole Plant Extract by High Performance Liquid Chromatography

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doi:10.4172/0975-0851.1000033 A rapid and sensitive HPLC method with UV detection (206 nm) for routine analysis of alpha amyrin from *Scoparia dulcis* plant extract was developed. Chromatography was performed with mobile phase containing a mixture of acetonitrile and water (59:41) with a flow rate of 1.5 mL min<sup>-1</sup>. The procedure was validated by linearity (correlation coefficient = 0.9997), accuracy, robustness and intermediate precision. LOQ and LOD of detection were found to be 1.2 µg and 0.4 µg respectively. Linearity established at different concentrations of alpha amyrin ranging from 0.008mg mL<sup>-1</sup> to 0.032 mg mL<sup>-1</sup>. The proposed method was simple, highly sensitive, precise, accurate and repeatable.

**Keywords:** Scoparia dulcis, alpha amyrin, Extraction, HPLC, Method validation.