



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: Osteopontin by LC-MS/MS

Method Number: NQA-55.0002

Scope of Application: Infant formula and Whey protein concentrate

Description: Extraction of OPN with urea/ammonium bicarbonate buffer. Reduction and alkylation with dithiothreitol and iodoacetamide. Enzymatic digestion with trypsin. Separation and quantitation of peptide YPDAVATWLKPDPSQK (YPDA*) by liquid chromatography with mass spectrometry detection.

Sample Weight Required: 50 g

Analytical Platform: LC-MS/MS

Special Information: Indicate if values are expected to exceed 1300 mg/ 100 g

Analyte Reported	Alias	Unit of Measure	Limit of Quantification	Reproducibility
Osteopontin	OPN	mg/100 g	4	30%