



NQAC

Nestlé Quality Assurance Center
Dublin

Technical Datasheet

Analysis Name: 5'-Mononucleotides by LC-MS/MS

Method Number: LI-00.606

Scope of Application: Infant formulas, specialties, premix and raw materials.

Description: Dilution of powdered products in water. Addition of internal standards. Centrifugation with CFU filters. Mix with methanol (1:1). Determination of the nucleotides by UHPLC-MS/MS separation and detection.

Sample Weight Required: 50 g - Separate containers required for liquids

Analytical Platform: LC-MS/MS

Special Information: Provide Certificate of Analysis (COA) or estimated levels for premixes. Method is not applicable to yeast related samples.

Analyte Reported	Unit of Measure	Limit of Quantification	Reproducibility
Adenosine 5'- Monophosphate (5- AMP)	mg/100 g	0.2	15%
Cytidine 5'- Monophosphate (5- CMP)	mg/100 g	0.2	15%
Guanosine 5'- Monophosphate (5- GMP)	mg/100 g	0.2	15%
Inosine 5'- Monophosphate (5- IMP)	mg/100 g	0.2	15%
Uridine 5'- Monophosphate (5- UMP)	mg/100 g	0.2	15%