

# Technical Datasheet

Analysis Name:	Determination of Cyanuric Acid and Melamine by LC-MS/MS
Method Number:	LIBR 006
Scope Application:	Description of method for the quantitative determination of melamine and cyanuric by liquid chromatography tandem mass spectrometry.
Description:	The analytical procedure encompasses a dilution of the sample in an acetonitrile : water solution followed by a centrifugation before subsequent analysis of the supernatant by LC-ESIMS/MS in SRM using both positive and negative ionisation modes. The polarity switching is done within the same run, allowing both compounds to be analysed simultaneously. Formation and precipitation of the melamine – cyanuric acid complex (melamine cyanurate) in the standard solutions and in the final extracts containing both compounds is prevented by the low concentration levels of each analyte in the acetonitrile : water medium
Sample Weight Required:	120 g
Method Reference:	-
Analytical Platform:	LC-MS/MS
Special Information:	Method accredited ABNT ISO 17025: 2017.

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Melamine	-	mg/kg	0.026	< 15 %
Cyanuric Acid	-	mg/kg	0.040	< 15 %