NQAC
Nestlé Quality Assurance Center

Technical Datasheet

Analysis Name:	Determination of Chloranphenicol by LC-MS/MS
Method Number:	LIBR 082
Scope Application:	Description of method for the quantitative determination of Chloramphenicol (CAP) in food products by liquid chromatography tandem mass spectrometry (LC-MS/MS).
Description:	CAP is extracted from food according to the QuEChERS protocol [4]. This procedure involves an initial extraction with a mixture of water and acetonitrile followed by a liquid-liquid partition using magnesium sulphate and sodium chloride salts. After centrifugation, the resulting supernatant is cleaned by dispersive solid phase extraction (D-SPE) using C18 and primary secondary amine (PSA) sorbents. After a concentration step, the resulting extract is analyzed by LC-MS/MS operating in negative electrospray ionisation mode.
Sample Weight Required:	120 g
Method Reference:	-
Analytical Platform:	LC-MS/MS
Special Information:	LOQ is dependent of matrix. Method accredited ABNT ISO 17025: 2017.

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Chloranphenicol	-	µg/kg	< 0.03	< 22 %

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