

Technical Datasheet

Analysis Name:	Determination of Pantothenic Acid by LCMS/MS
Method Number:	ISO-20639:2015
Scope Application:	Infant formula (including HA products), infant cereals, breakfast cereals, cereal bars, cocoa beverages, healthcare products, premixes, and milk based raw materials.
Description:	Pantothenic acid is extracted using a 0.4 mol/l ammonium acetate buffer solution. After filtration, the final solution is subjected to ultrahigh performance liquid chromatography tandem mass spectrometry (UPLCMS/MS)
Sample Weight Required:	100g
Method Reference:	Official Methods of Analysis (2016) 20th Ed., AOAC International, Gaithersburg, MD, Method 2012.16
Analytical Platform:	UPLC-MS/MS
Special information:	Provide Certificate of Analysis (COA) for premixes

Analyte Reported	Common name	Unit	Typical unit of quantification	uncertainty
Pantothenic acid	Vitamin B5	mg/100g	0.1	20% for premixes 15% for all other matrixes