

# Technical Datasheet

<b>Analysis Name:</b>	Determination of Biotin by LC-MS/MS
<b>Method Number:</b>	LIBR 076
<b>Scope Application:</b>	Method for the quantitative determination of biotin by using ultra performance liquid chromatography and tandem mass spectrometry method (UHPLC-MS/MS).
<b>Description:</b>	Acid hydrolysis in hydrochloric acid (100 °C, 35 min). pH adjustment (except for cocoa containing samples), filtration. Addition of internal standard, dilution. Analysis by UHPLC-MS/MS (using positive electrospray ionisation). Quantification using peak area ratio "vitamin/IS".
<b>Sample Weight Required:</b>	120 g
<b>Method Reference:</b>	-
<b>Analytical Platform:</b>	LC-MS/MS
<b>Special Information:</b>	LOQ are dependent of matrix. Method in process for accreditation ABNT ISO 17025: 2017.

<b>Analyte Reported</b>	<b>Alias</b>	<b>Unit of Measure</b>	<b>Typical Limit of Quantification</b>	<b>Uncertainty</b>
Biotin	-	mg/100g	0.10	< 12 %