

# Technical Datasheet

<b>Analysis Name:</b>	Determination of Sulfonamides by LC-MS/MS
<b>Method Number:</b>	LIBR 093
<b>Scope Application:</b>	This instruction describes a multi-residue method for the quantitative determination of sulfonamides by LC-MS/MS.
<b>Description:</b>	Sample is extracted with acetonitrile. If the sample has water content lower than 80 %, add 10 g water and homogenize sample before extracting with acetonitrile. After adding magnesium sulfate and sodium chloride, shake the mixture vigorously and centrifuge. An aliquot of the organic solution is cleaned-up by d-SPE and residual water is removed with magnesium sulfate. The cleaned solution is dried under a stream of nitrogen and then reconstituted for LC-MS/MS analysis
<b>Sample Weight Required:</b>	100 g
<b>Method Reference:</b>	-
<b>Analytical Platform:</b>	LC-MS/MS
<b>Special Information:</b>	Method in process for accreditation ABNT ISO 17025: 2017

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Sulfamethazine	-	µg/kg	1.0	< 15 %
Sulfadimethoxine	-	µg/kg	1.0	< 15 %
Sulfathiazole	-	µg/kg	1.0	< 15 %
Sulfisomidine	-	µg/kg	1.0	< 15 %
Sulfamer	-	µg/kg	1.0	< 15 %
Sulfamerazine	-	µg/kg	1.0	< 15 %
Sulfadiazine	-	µg/kg	1.0	< 15 %
Sulfapyridine	-	µg/kg	1.0	< 15 %
Sulfisoxazole	-	µg/kg	1.0	< 15 %
Sulfamethoxazole	-	µg/kg	1.0	< 15 %
Sulfadoxine	-	µg/kg	1.0	< 15 %
Sulfachloropyridazine	-	µg/kg	1.0	< 15 %
Sulfaquinoxaline	-	µg/kg	1.0	< 15 %