

Technical Datasheet

Analysis Name:	Determination of Total Nitrogen by Combustion
Method Number:	LIBR 024
Scope Application:	Description of a general method for the determination of total nitrogen by combustion according to Dumas principle. For the calculation of protein content, various conversion factors are used.
Description:	Samples are converted to gases by heating in a combustion tube, which gasifies samples. Interfering components are removed from the resulting gas mixture. The nitrogen components in the gas mixture or a representative part of them are converted to molecular nitrogen, which is quantitatively determined by a thermal conductivity detector.
Sample Weight Required:	120 g
Method Reference:	-
Analytical Platform:	Combustion
Special Information:	Method accredited ABNT ISO 17025: 2017.

Analyte Reported	Alias	Unit of Measure	Typical Limit of Quantification	Uncertainty
Nitrogen	-	g/100g	0.04	< 20 %
Protein (Conversion factor 6.25)	-	g/100g	0.25	< 20%