



Amino acid and total amino acid content

Order No. **103**: amino acids
115: total amino acids

With our amino acid measurement (no. 103) free amino acids are measured, whereas with our total amino acid analysis (no. 115) the total amino acid content is quantified, including additional HCl hydrolysis and sample preparation step before amino acid analysis. If you are interested in the ratio of free to bound amino acids, both analyzes should be carried out.

We can support you by testing the following matrices as liquids or powders:

- › spent culture media
- › food samples
- › animal feed samples
- › other matrices (Let's figure it out together!)



OUR PORTFOLIO

Our UHPLC-DAD method covers the following amino acids, with a LOQ < 0.03mM¹:

Alanine	Arginine	Asparagine	Aspartate
Citrulline	Cystine/Cysteine*	Glutamate	Glutamine
Glycine	Histidine	Hydroxyproline	Isoleucine
Leucine	Lysine	Methionine	Ornithine
Phenylalanine	Proline	Serine	Taurine
Threonine	Tryptophane	Tyrosine	Valine

¹ depending on amino acid and sample matrix

* Deliverables: cystine (abs. measured conc.) & cysteine (qualitative value)

PLEASE NOTE:

Due to potential matrix effects verification of sample feasibility might be necessary prior to analysis. Please contact us for individual support regarding sample preparation.

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