

Example Report Amino Acid Profile Analysis

Report number:	PA-R34480-1
Report date:	1 st April 2025
Project number:	34480
Client name:	Not Applicable
Client organisation:	APAF
Client address:	Level 4, 4 Wally's Walk, Macquarie Park, New South Wales, 2113
Client contact number:	(02) 9850 6216
Client email:	aaa.apaf@mq.edu.au
Date sample(s) received:	27 th March 2025
Number of samples:	One
Project leader:	Prashina Singh
Authorised by:	Dr. David Cantor
APAF email:	aaa.apaf@mq.edu.au
Attachments	No

The results apply to the sample(s) as received.

As per [APAF Terms and Conditions](#), samples will be retained for a period of thirty (30) days and testing records will be accessible for a period of three (3) years from the date of reporting results unless other arrangements have been made; refer to Clause 11.1 (sample retention) and Clause 10.3 (test records) for conditions that apply.

Acknowledgment: To comply with our NCRIS (National Research Infrastructure for Australia) operating grant, we request that any publication arising from access to the facility acknowledge the contribution of APAF staff and include the statement "*This study/project/research used NCRIS-enabled Australian Proteome Analysis Facility (APAF) infrastructure*".



Accreditation Number: 20344

Accredited for compliance with ISO/IEC 17025 - Testing

AUSTRALIA'S PREMIER PROTEOMICS PROVIDER SINCE 1995
A NATIONAL COLLABORATIVE RESEARCH INFRASTRUCTURE STRATEGY FACILITY

SAMPLE DETAILS

- One sample was prepared for amino acid profile analysis, including hydroxyproline and taurine.
- The sample was received in good condition and stored at -20°C prior to analysis.
- Sample identification can be found in the results.

METHOD DETAILS

- Amino acid profile analysis was performed as per APAF SOP AAA-001.
- The sample underwent 24hr liquid hydrolysis in 6M Hydrochloric acid at 110 °C.
- Under these conditions, Asparagine is converted to Aspartic acid and Glutamine to Glutamic acid; therefore, the reported amount of these acids is the sum of those respective components.
- Cysteine and Tryptophan are not analysed by this method.
- After hydrolysis, all amino acids were labelled using the Waters AccQTag Ultra chemistry (following supplier's recommendations) and analysed on a Waters Acquity UPLC.
- The sample was analysed in duplicate, and results are expressed as an average.

OPINIONS AND INTERPRETATIONS

Interpretation and/or detailed discussions may be required to fully understand the results presented to you. APAF is committed to assist our clients/collaborators to maximise the value from their results through these consultations. It should be noted that if these results are to be incorporated into a publication, then APAF will be pleased to supply further details/methodology as required by the publishing journal.

RESULTS

Analysis of this sample was performed on the 28th of March 2025.

Client Sample ID: Test Sample
APAF ID: S0028218

Amino Acid	Amount (-H ₂ O; mg/g) *	Amount (mg/g) **	Mole %
Hydroxyproline	11.0	12.8	5.5
Histidine	13.5	15.3	5.6
Taurine ^a	-	12.3	5.6
Serine	8.5	10.2	5.5
Arginine	15.2	17.0	5.5
Glycine	5.6	7.4	5.6
Aspartic acid	11.4	13.2	5.6
Glutamic acid	12.7	14.5	5.6
Threonine	9.9	11.7	5.5
Alanine	7.0	8.7	5.6
Proline	9.5	11.3	5.5
Lysine	12.5	14.3	5.5
Tyrosine	15.9	17.7	5.5
Methionine	12.8	14.5	5.5
Valine	9.7	11.5	5.5
Isoleucine	11.1	12.9	5.6
Leucine	11.1	12.9	5.6
Phenylalanine	14.4	16.2	5.5
Total	192.0	234.4	100.0

Comments

* Calculation based on amino acid residue mass in protein (molecular weight minus H₂O).

** Calculation based on free amino acid molecular weight.

^a As Taurine is not incorporated in protein, Amount (-H₂O) is not reported.