

**CERTIFICATE OF ANALYSIS**

PRODUCT NAME: Casamino Acids  
 BATCH NO. 22/MFM/2897  
 MANUFACTURING DATE: 1 December 2021  
 EXPIRY DATE: 31 December 2026

TESTS	SPECS	RESULTS
Appearance	Beige Powder	Pass
Solubility in Water (5% solution)	Complete	Pass
pH (5% solution)	4.7 – 5.7	5.2
Loss on Drying	Maximum 6.0%	3.0%
Total Nitrogen TN	7.0 – 8.5%	7.6%
Alpha-amino Nitrogen AN	5.0 – 6.5%	6.0%
AN/TN x 100	56 - 93	79
Chlorides (NaCl)	Maximum 45.0%	38.0%
Total aerobic microbial count	Maximum 5 000 /g	43 /g

- *The milk casein used for manufacturing the batch of this product is of bovine origin.*
- *The casein is sourced in New Zealand and come from herds free from Bovine Spongiform Encephalopathy and foot-and-mouth disease after examination by the Veterinary Authorities*

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13<sup>th</sup> June 2022