

Sample code Nr. **323-2025-00051933**
Analytical Report Nr.

Report Date **24/11/2025**
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CRUMB ORIGEN, UNIPESSOAL LDA

For the attention of **Resultados / faturação**
R. santa anastásia 20
4150-664 Porto
PORTUGAL

Sample description	Whey - lactoalbumin protein concentrate		
Sample reception date :	17/11/2025		
Analysis starting date :	19/11/2025	Analysis end date:	24/11/2025
Sampling/Transport :	Transport via carrier		

The information in the table below has been provided by the client and the laboratory is not responsible for it.

Sample described as :	White clear powder		
Client reference :	PCWPC80	Packaging	Conditioned in a retail packaging
Lot number	194.25	Best Before Date	01/05/2027
Responsible for sampling	Client responsibility	Origin	Bulgaria

Metals		Results (uncertainty)	
ZVHMC	ZV Cadmium Method : Cadmium(Metal Cadmium, in-house method (digestion according NEN-EN 13805), W3407 and W3401, ICP-MS)		
(a)	Cadmium (Cd)	< 0.01	mg/kg
ZVHMF	ZV Lead Method : Lead(Metal Lead, in-house method (digestion according NEN-EN 13805), W3407 and W3401, ICP-MS)		
(a)	Lead (Pb)	0.025	(± 0.0066) mg/kg
ZVHME	ZV Mercury Method : Mercury(Metal Mercury, in-house method (digestion according NEN-EN 13805), W3407, W3401, ICP-MS)		
(a)	Mercury (Hg)	< 0.01	mg/kg
ZVHMB	ZV Arsenic Method : Arsenic(Metal Arsenic, in-house method (digestion according NEN-EN 13805), W3407 and W3401, ICP-MS)		
(a)	Arsenic (As)	0.062	(± 0.019) mg/kg

Chemistry		Results (uncertainty)	
DJ009	DJ Tryptophane Method : EU 152/2009 / LC-FLD		
(a)	Tryptophan (Total)	1.57	(± 0.16) g/100 g
DI004	DJ Amino acids (acid hydrolysis) Method : ISO 13903:2005 / IC-UV		
(a)	Alanine	4.20	(± 0.59) g/100 g
(a)	Arginine	1.96	(± 0.27) g/100 g
(a)	Aspartic acid	9.19	(± 1.29) g/100 g
(a)	Glutamic acid	14.3	(± 2.0) g/100 g
(a)	Glycine	1.54	(± 0.22) g/100 g
(a)	Histidine	1.48	(± 0.21) g/100 g
(a)	Hydroxyproline	<0.2	(LOQ) g/100 g
(a)	Isoleucine	5.06	(± 0.71) g/100 g
(a)	Leucine	8.74	(± 1.22) g/100 g
(a)	Lysine	7.83	(± 1.10) g/100 g
(a)	Ornithine	<0.05	(LOQ) g/100 g
(a)	Phenylalanine	2.68	(± 0.38) g/100 g
(a)	Proline	4.88	(± 0.68) g/100 g
(a)	Serine	4.50	(± 0.63) g/100 g
(a)	Threonine	6.10	(± 0.85) g/100 g
(a)	Tyrosine	2.42	(± 0.34) g/100 g
(a)	Valine	4.79	(± 0.67) g/100 g
DJ011	DJ Cysteine+Cystine & methionine (ox-amino acid) Method : ISO 13903:2005 / IC-UV		

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Chemistry	Results (uncertainty)
DJ011 DJ Cysteine+Cystine & methionine (ox-amino acid) Method : ISO 13903:2005 / IC-UV	
(a) Cysteine +Cystine	1.83 (± 0.26) g/100 g
(a) Methionine	1.77 (± 0.25) g/100 g

SIGNATURE


Raquel Maio
Analytical Service Manager

Report electronically validated by Raquel Maio

EXPLANATORY NOTE

The results refer only to the tested items and according to the sample as received.
 The test report must not be reproduced, except in full, without the written agreement of the laboratories.
 The sampling and the sample collection are not within the accreditation scope.
 The opinions or results interpretation are outside the accreditation scope.
 The tests not identified by the two-letter code XV are contracted to external suppliers of the Eurofins group and are not within the accreditation scope of Eurofins Food Testing Lisboa.
 The results presented in this test report are in accordance with the General Sales Conditions available upon request. The tests are identified by a 5-digit code. The description is available upon request.
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 The tests identified by the two letters code DJ are performed in laboratory Eurofins Vitamin Testing Denmark A /S. The symbol (a) identifies the tests under accreditation DS EN ISO/IEC 17025 DANAK 581.