

General Information:

Sample No.:	230176193
Sample:	PAP Normal production SID-14022023-1
Date of receipt:	15.02.2023
Testing period (begin / end):	15.02.2023 / 23.02.2023
Quantity:	264g
Packaging:	Plastic bag

Test Results:

Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements
Constituents:						
Crude protein	DIN EN ISO 16634-1	HH	%	65,8	0,10	
Digestible protein	VDLUFA Vol. III, 4.2.1, mod.	HH	%	50,9	0,5	
Digestibility	SOP M 3920, calculated	HH	%	77,4	0,5	
Crude fat B	ISO 6492	HH	%	18,3	0,3	
Moisture	ISO 6496	HH	%	2,68	0,20	
Crude ash	ISO/DIS 5984	HH	%	8,52	0,20	
Peroxide value	DIN EN ISO 27107	HH	meq O ₂ /kg	< 0,1	0,1	
Procedure for free fatty acids	DIN EN ISO 660	HH		Cold solvent by application of potentiometric titration		
Free fatty acids (FFA), calculated as oleic acid	DIN EN ISO 660	HH	%	26,4	0,10	

Summary of used test methods:

DIN EN ISO 16634-1	2009-07 (N x 6,25) extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 6 %, determined on feed with 18 g/100g 2,5 %, determined on feed with 32-90 g/100g The sample-specific measurement uncertainty was not determined and can deviate.
DIN EN ISO 27107	2010-08 Outside accreditation in the case of milk and milk products (or fats derived from milk and milk products) and lecithins as well as fats with a peroxide value of >30 meq O ₂ /kg, as these are excluded from the scope of the standard. Result related to fat. Samples which are not fat or oil are first obtained by cold extraction. extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 23 %; determined on cooking oil with 2,9 meqO ₂ /kg 6 %; determined on cooking oils with 9-48 meqO ₂ /kg 18 %; determined on nuts and seeds with 0,6-1,0 meqO ₂ /kg

	10 %; determined on nuts and seeds with 1,6-3 meqO2/kg The sample-specific measurement uncertainty was not determined and can deviate.
DIN EN ISO 660	2020-12 Result related to fat. For samples other than fat or oil, the fat is first extracted from the sample in the state of delivery by cold extraction. Fat-accompanying substances, fat from milk and milkproducts are analysed out of the DIN EN ISO/IEC 17025 accredited area. extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 10 %, determined on cooking oils with 0,1-0,3 g/100g 4 %, determined on cooking oils with 2-4 g/100g 19 %, determined on nuts and seeds with 0,3 g/100g 9 %, determined on nuts and seeds with 0,7-1,9 g/100g The sample-specific measurement uncertainty was not determined and can deviate.
ISO 6492	1999-08 Test method B extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 8 %, determined on different feed with 1-6 g/100g 2,5 %, determined on different feed with 7,5-49 g/100g The sample-specific measurement uncertainty was not determined and can deviate.
ISO 6496	1999-08 Corresponds to Gafta 2.1, 01.01.2021 extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 6 %, determined on feed with 2,2-6,4 g/100g 3 %, determined on feed with 7-22,6 g/100g The sample-specific measurement uncertainty was not determined and can deviate.
ISO/DIS 5984	2022-04 Corresponds to Gafta 11.1, 01.01.2021 Extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 4 %, determined on feed with 1,6-15 g/100g 1 %, determined on mineral feed with 67 g/100g The sample-specific measurement uncertainty was not determined and can deviate.
SOP M 3920, calculated	2022-03 Digestibility from protein and digestible protein
VDLUFA Vol. III, 4.2.1, mod.	1976 Mod.: indirect determination in backlog Pepsin digestibility extended measurement uncertainty (relative) with p = 95 %, k = 2 (sampling was not taken into account): 3 %, determined on feed with 17-66 g/100g The sample-specific measurement uncertainty was not determined and can deviate.

The laboratory sites of the SGS group Germany according to the abbreviations mentioned above including the corresponding accreditation process numbers are listed at
<http://www.institut-fresenius.de/filestore/89/laborstandortkuerzelsgs.pdf>.

*** End of test report ***

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