


Material: **SoyProFat® (Soybean expeller)**  
 Cod of analysis: NW21-0308713-001  
 Date of analysis: 2021-04-12  
 Sample nr.: SMS111/21  
 LOT nr.: -  
 Truck reg. Nr. : -  
 Date of report : -


### Results of amino acid analysis (AMINONIR®)


Parameter	Content %	Content % in crude protein
Dry matter	92,43	
Crude protein*	43,4	
Methionine	0,57	1,31
Cystine	0,664	1,53
Meth.+Cys.	1,21	2,79
Lysine	2,72	6,27
Threonine	1,679	3,87
Tryptophan	0,585	1,35
Arginine	3,21	7,40
Isoleucine	1,946	4,48
Leucine	3,284	7,57
Valine	2,042	4,71
Histidine	1,154	2,66
Phenylalanine	2,187	5,04
Glycine	1,819	4,19
Serine	2,17	5,00
Proline	2,208	5,09
Alanine	1,865	4,30
Aspartic acid	4,864	11,21
Glutamic acid	7,717	17,78
NH3	0,87	2,00
Total including NH3-al	40,882	94,20
Total without NH3	39,916	91,97

NIRS calibration equation: agSOYA01\_57060\_v4

\*Crude protein calibration based on Dumas combustio method (CP factor 6,25 )

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### Analytical report (AMINOProx®)

Parameter	Content %
Crude protein	43,402
Ether extract	7,3
Crude fiber	5,1
Crude ash	6,4
Starch	1
Acid Detergent Fibre (ADF)	7,2
Neutral Detergent Fiber (NDF)	10,2
Sugar	9,3
Phosphorus (mg/kg)	6023
Pgytic Phosphorus estim. (mg/kg)	3614

NIRS calibration equation: pgSOYA33\_111872\_v4



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### Energy content (AMINONRG®)

Parameter	Amount
Gross Energy MJ/kg	19,759
Gross Energy kcal/kg	4719
Digestible Energy Growing pigs (DE ) MJ/kg	17,119
Digestible Energy Growing pigs (DE ) Kcal/kg	4089
Digestible Energy Sows (DE) MJ/kg	18,574
Digestible Energy Sows (DE) MJ/kg	4436
Metabolisable Energy Growing pigs (ME) MJ/kg	16,074
Metabolisable Energy Growing pigs (ME) Kcal/kg	3839
Metabolisable Energy Sows (ME) MJ/kg	17,311
Metabolisable Energy Sows (ME) Kcal/kg	4135
Net energy Growing pigs (NE) MJ/kg	10,705
Net energy Growing pigs (NE) Kcal/kg	2557
Net energy Sows (NE) MJ/kg	11,722
Net energy Sows (NE) Kcal/kg	2800
Apparent Metabolisable energy (AMEn) Kcal/kg	11,316
Apparent Metabolisable energy (AMEn) MJ/kg	2703

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### Overall evaluation of processing conditions

Parameter	Amount
Protein Dispersibility index (PDI) %	12,8
KOH protein solubility %	91,2
Trypsin Inhibitor activity (TIA) mg/g	5,3
Reaktiv Lysine %	2,473
Reaktive Lysine/Lysine %	90,19
Processing Condition Indicator (PCI)	15
(0-10 Overprocessed; 11-20 Normal; 21-30 Underprocessed)	