


Material: **SoyProFat MAX® (Soybean expeller)**  
 Cod of analysis: NW21-0419637-001  
 Date of analysis: 2021-05-27  
 Sample nr.: SMS137/21  
 LOT nr.: -  
 Truck reg. Nr. : -  
 Date of report : -


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


Parameter	Content %	Content % in crude protein
Dry matter	92,53	
Crude protein*	45,66	
Methionine	0,588	1,29
Cystine	0,686	1,50
Meth.+Cys.	1,253	2,74
Lysine	2,837	6,21
Threonine	1,747	3,83
Tryptophan	0,605	1,33
Arginine	3,42	7,49
Isoleucine	2,044	4,48
Leucine	3,442	7,54
Valine	2,137	4,68
Histidine	1,2	2,63
Phenylalanine	2,307	5,05
Glycine	1,905	4,17
Serine	2,285	5,00
Proline	2,308	5,05
Alanine	1,939	4,25
Aspartic acid	5,159	11,30
Glutamic acid	8,241	18,05
NH3	0,923	2,02
Total including NH3-al	42,963	94,09
Total without NH3	41,952	91,88

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	45,655
Ether extract	8,7
Crude fiber	4,8
Crude ash	6,3
Starch	0,8
Acid Detergent Fibre (ADF)	6,9
Neutral Detergent Fiber (NDF)	10,2
Sugar	9,1
Phosphorus (mg/kg)	5866
Pgytic Phosphorus estim. (mg/kg)	3520

NIRS calibration equation: pgSOYA33\_111872\_v4



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### Energy content (AMINONRG®)

Parameter	Amount
Gross Energy MJ/kg	19,791
Gross Energy kcal/kg	4727
Digestible Energy Growing pigs (DE ) MJ/kg	17,26
Digestible Energy Growing pigs (DE ) Kcal/kg	4122
Digestible Energy Sows (DE) MJ/kg	18,727
Digestible Energy Sows (DE) MJ/kg	4473
Metabolisable Energy Growing pigs (ME) MJ/kg	16,207
Metabolisable Energy Growing pigs (ME) Kcal/kg	3871
Metabolisable Energy Sows (ME) MJ/kg	17,454
Metabolisable Energy Sows (ME) Kcal/kg	4169
Net energy Growing pigs (NE) MJ/kg	10,683
Net energy Growing pigs (NE) Kcal/kg	2552
Net energy Sows (NE) MJ/kg	11,705
Net energy Sows (NE) Kcal/kg	2796
Apparent Metabolisable energy (AMEn) Kcal/kg	11,417
Apparent Metabolisable energy (AMEn) MJ/kg	2727

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### Overall evaluation of processing conditions

Parameter	Amount
Protein Dispersibility index (PDI) %	12,1
KOH protein solubility %	89,3
Trypsin Inhibitor activity (TIA) mg/g	5,5
Reaktiv Lysine %	2,588
Reaktive Lysine/Lysine %	90,676
Processing Condition Indicator (PCI)	15
(0-10 Overprocessed; 11-20 Normal; 21-30 Underprocessed)	