


Material: **SoyProFat MAX® (Soybean expeller)**
 Cod of analysis: NW20-0443885-001
 Date of analysis: 2020-06-09
 Sample nr.: SMS157/20
 LOT nr.: -
 Truck reg. Nr. : -
 Date of report : -


Results of amino acid analysis (AMINONIR®)


Parameter	Content %	Content % in crude protein
Dry matter	91,69	
Crude protein*	45,88	
Methionine	0,606	1,32
Cystine	0,684	1,49
Meth.+Cys.	1,295	2,82
Lysine	2,815	6,14
Threonine	1,752	3,82
Tryptophan	0,623	1,36
Arginine	3,402	7,41
Isoleucine	2,058	4,49
Leucine	3,448	7,52
Valine	2,155	4,70
Histidine	1,19	2,59
Phenylalanine	2,304	5,02
Glycine	1,915	4,17
Serine	2,299	5,01
Proline	2,29	4,99
Alanine	1,95	4,25
Aspartic acid	5,2	11,33
Glutamic acid	8,252	17,99
NH3	0,91	1,98
Total including NH3-al	43,187	94,13
Total without NH3	42,338	92,28

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	45,883
Ether extract	9
Crude fiber	4,5
Crude ash	6
Starch	0,5
Acid Detergent Fibre (ADF)	6,9
Neutral Detergent Fiber (NDF)	10,7
Sugar	9
Phosphorus (mg/kg)	5724
Pgytic Phosphorus estim. (mg/kg)	3435

NIRS calibration equation: pgSOYA33_111872_v4



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Energy content (AMINONRG®)

Parameter	Amount
Gross Energy MJ/kg	19,777
Gross Energy kcal/kg	4724
Digestible Energy Growing pigs (DE) MJ/kg	17,203
Digestible Energy Growing pigs (DE) Kcal/kg	4109
Digestible Energy Sows (DE) MJ/kg	18,665
Digestible Energy Sows (DE) MJ/kg	4458
Metabolisable Energy Growing pigs (ME) MJ/kg	16,154
Metabolisable Energy Growing pigs (ME) Kcal/kg	3858
Metabolisable Energy Sows (ME) MJ/kg	17,396
Metabolisable Energy Sows (ME) Kcal/kg	4155
Net energy Growing pigs (NE) MJ/kg	10,651
Net energy Growing pigs (NE) Kcal/kg	2544
Net energy Sows (NE) MJ/kg	11,675
Net energy Sows (NE) Kcal/kg	2789
Apparent Metabolisable energy (AMEn) Kcal/kg	11,484
Apparent Metabolisable energy (AMEn) MJ/kg	2743

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Overall evaluation of processing conditions

Parameter	Amount
Protein Dispersibility index (PDI) %	13,5
KOH protein solubility %	85,1
Trypsin Inhibitor activity (TIA) mg/g	5,7
Reaktiv Lysine %	2,566
Reaktive Lysine/Lysine %	90,269
Processing Condition Indicator (PCI)	18
(0-10 Overprocessed; 10-20 Normal; 20-30 Underprocessed)	