

## ANC

### Matières premières pour aliment des animaux/Feed material

**Présentation :** Granulés de 8 mm de diamètre ou semoule/Pellets of 8 mm diameter or crumble

**Origine/Origin :** France

**HS code :** 2309 90 96

**Caractéristiques/Features :**

Extrait concentré de Luzerne/Concentrated alfalfa extract- VLOG geprüft

Informations fournies à titre indicatif, conformément au règlement européen 767/2009 (annexe IV sur les tolérances). Les garanties contractuelles sont spécifiées dans les contrats/Information provided for guidance only, in compliance with EU Regulation 767/2009 (Annex IV on tolerances). Contractual guarantees are specified in the approved agreements.

### Composition générale/General composition

| Paramètre/Parameter                              | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|--|-------------|-----------|------------|-------------|------------|
| Humidité/Moisture                                | 8.5         |           | %          | -           |            |
| Protéines brutes/Crude protein                   | 47.6        | 52.0      | %          | -           |            |
| Matières grasses brutes/Crude fat                | 10.5        | 11.5      | %          | -           |            |
| Matières minérales/Crude Ash                     | 11.0        | 12.0      | %          | -           |            |
| Cellulose brute/Crude Fiber                      | 2.3         | 2.5       | %          | -           |            |
| NDF  | 13.8        | 15.1      | %          | -           |            |
| Amidon/Starch                                    | 0.0         | 0.0       | %          | -           |            |
| ADF  | 2.8         | 3.1       | %          | -           |            |
| ADL  | 0.9         | 1.0       | %          | -           |            |
| Lignine/Lignin                                   | 0.9         | 1.0       | %          | -           |            |
| Cendres insolubles/Insoluble Ash                 | 0.7         | 0.8       | %          | -           |            |
| Parois végétales solubles/Solubles Cell walls    | 1.5         | 1.6       | %          | -           |            |
| Parois végétales insolubles/Insoluble Cell walls | 15.0        | 16.4      | %          | -           |            |
| Sucres totaux/Sugars                             | 1.0         | 1.1       | %          | -           |            |
| Xanthophylles/Xanthophylls                       | 961         | 1050      | ppm        | -           |            |
| Lutéine+ Zéaxanthine/Lutein+Zeaxanthin           | 520         | 568       | ppm        | -           |            |
| Carotène/Carotene                                | 276         | 302       | ppm        | -           |            |
| Vitamine E/Vitamin E                             | 400         | 437       | ppm        | -           |            |

### Minéraux/Minerals

| Paramètre/Parameter  | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|----------------------|-------------|-----------|------------|-------------|------------|
| Calcium              | 33.6        | 36.7      | g/kg       | -           |            |
| Phosphore/Phosphorus | 8.2         | 9.0       | g/kg       | -           |            |
| Magnesium            | 1.6         | 1.7       | g/kg       | -           |            |
| Potassium            | 8.2         | 9.0       | g/kg       | -           |            |
| Sodium               | 0.2         | 0.2       | g/kg       | -           |            |
| Chlore/Chlorine      | 1.8         | 2.0       | g/kg       | -           |            |
| Soufre/Sulfur        | 3.7         | 4.0       | g/kg       | -           |            |
| Manganese            | 28.0        | 30.6      | ppm        | -           |            |
| Zinc                 | 32.0        | 35.0      | ppm        | -           |            |
| Cuivre/Copper        | 23.0        | 25.1      | ppm        | -           |            |
| Fer/Iron             | 990.0       | 1082.0    | ppm        | -           |            |
| Selenium             | 0.1         | 0.1       | ppm        | -           |            |
| Cobalt               | 0.1         | 0.1       | ppm        | -           |            |
| Iode/Iodine          | 0.1         | 0.1       | ppm        | -           |            |
| Nickel               | -           | -         | ppm        | -           |            |
| Fluor/Fluorine       | -           | -         | ppm        | -           |            |

|                      |   |   |     |   |
|----------------------|---|---|-----|---|
| Molybdène/Molybdenum | - | - | ppm | - |
|----------------------|---|---|-----|---|

### Acides aminés/Amino acid

| Paramètre/Parameter            | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|--------------------------------|-------------|-----------|------------|-------------|------------|
| Lysine                         | 31.7        | 34.6      | g/kg       | -           | -          |
| Methionine                     | 10.6        | 11.6      | g/kg       | -           | -          |
| Cystine                        | 4.8         | 5.2       | g/kg       | -           | -          |
| Threonine                      | 24.8        | 27.1      | g/kg       | -           | -          |
| Tryptophane                    | 12.6        | 13.8      | g/kg       | -           | -          |
| Isoleucine                     | 25.8        | 28.2      | g/kg       | -           | -          |
| Valine                         | 30.8        | 33.7      | g/kg       | -           | -          |
| Leucine                        | 46.6        | 50.9      | g/kg       | -           | -          |
| Histidine                      | 12.2        | 13.3      | g/kg       | -           | -          |
| Phenylalanine                  | 30.2        | 33.0      | g/kg       | -           | -          |
| Tyrosine                       | 21.6        | 23.6      | g/kg       | -           | -          |
| Arginine                       | 31.4        | 34.3      | g/kg       | -           | -          |
| Alanine                        | 30.3        | 33.1      | g/kg       | -           | -          |
| Acide aspartique/Aspartic acid | 49.5        | 54.1      | g/kg       | -           | -          |
| Acide glutamique/Glutamic acid | 54.9        | 60.0      | g/kg       | -           | -          |
| Glycine                        | 26.6        | 29.1      | g/kg       | -           | -          |
| Serine                         | 21.4        | 23.4      | g/kg       | -           | -          |
| Proline                        | 23.4        | 25.6      | g/kg       | -           | -          |

### Acides gras/Fatty acids

| Paramètre/Parameter                   | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|---------------------------------------|-------------|-----------|------------|-------------|------------|
| C12:0 acide laurique/lauric acid      | 1.0         | 1.1       | g/kg       | -           | -          |
| C16:0 acide palmitique/palmitic acid  | 11.7        | 12.8      | g/kg       | -           | -          |
| C18:0 acide stéarique/stearic acid    | 1.8         | 2.0       | g/kg       | -           | -          |
| C18:1 acide oléique/oleic acid        | 2.6         | 2.8       | g/kg       | -           | -          |
| C18:2 acide linoléique/linolenic acid | 12.9        | 14.1      | g/kg       | -           | -          |
| C18:3 acide linoléique/linolenic acid | 34.5        | 37.7      | g/kg       | -           | -          |

### Valeurs nutritionnelles énergétiques/Energy nutritional values

| Paramètre/Parameter  | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|--|-------------|-----------|------------|-------------|------------|
| <b>UFC/Net Energy for gain INRA 2012</b>                                     | 0.96        | 1.05      | /kg        | -           | -          |
| <b>VEM/Energie nette lait /Net energy for milk CVB 2018</b>                  | 1200        | 1311      | /kg        | -           | -          |
| <b>VEVI/Energie nette Viande/Net Energy for gain CVB 2018</b>                | 1280        | 1399      | /kg        | -           | -          |
| <b>dMO/Digestibilité MO/Digestibility of organic matter INRA 2007</b>        | -           | -         | -          | 90          | %MO        |
| <b>UFL/Net Energy for milk INRA 2018</b>                                     | 1.36        | 1.49      | /kg        | -           | -          |
| <b>NEm3X/Energie nette maintenance /Net Energy for maintenance NRC 2001</b>  | 9.7         | 10.6      | MJ/kg      | -           | -          |
| <b>NEg3X/Energie nette engraissement/Net Energy for gain NRC 2001</b>        | 6.8         | 7.4       | MJ/kg      | -           | -          |
| <b>NEl3X/Energie nette lait/Net Energy for milk NRC 2001</b>                 | 9.4         | 10.3      | MJ/kg      | -           | -          |
| <b>TDN/Nutriments totaux digestibles/Total digestible nutrients NRC 2001</b> | 80          | 87        | %          | -           | -          |
| <b>UFV/Net energy for gain INRA 2018</b>                                     | 1.39        | 1.52      | /kg        | -           | -          |
| <b>Energie digestible lapin/Digestible Energy for rabbit</b>                 | 3480        | 3803      | kcal/kg    | -           | -          |
| <b>Energie métabolisable lapin/Metabolizable Energy for rabbit</b>           | 3000        | 3279      | kcal/kg    | -           | -          |
| <b>Energie métabolisable coq /Metabolizable Energy for cockerel</b>          | 2975        | 3251      | kcal/kg    | -           | -          |

|   |      |      |         |   |
|---|------|------|---------|---|
| Energie métabolisable poulet/Metabolizable Energy for broiler   | 2975 | 3251 | kcal/kg | - |
| Energie digestible porc/Digestible Energy for growing pig       | 3940 | 4306 | kcal/kg | - |
| Energie digestible truie/Digestible Energy for adult pig        | 4010 | 4383 | kcal/kg | - |
| Energie métabolisable porc/Metabolizable Energy for growing pig | 3610 | 3945 | kcal/kg | - |
| Energie métabolisable truie/Metabolizable Energy for adult pig  | 3650 | 3989 | kcal/kg | - |
| Energie nette porc/Net Energy for growing pig                   | 2300 | 2514 | kcal/kg | - |
| Energie nette truie/Net Energy for adult pig                    | 2370 | 2590 | kcal/kg | - |

### Valeurs nutritionnelles protéiques/Protein nutritional values

| Paramètre/Parameter   | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit        |
|---|-------------|-----------|------------|-------------|-------------------|
| <b>MADC/Digestible protein for horse INRA 2012</b>                                      | 410         | 448       | g/kg       |             |                   |
| <b>DVE/Protéines digestibles dans l'intestin/Intestinal digestible protein CVB 2018</b> | 400         | 437       | g/kg       |             |                   |
| <b>OEB/Balance protéique dans le rumen/Rumen degradable protein balance CVB 2018</b>    | 10          | 11        | g/kg       |             |                   |
| Threonine digestible INRA 2018  | -           | -         | -          | 4.9         | % PDI             |
| Isoleucine digestible INRA 2018   | -           | -         | -          | 5.4         | % PDI             |
| Valine digestible INRA 2018   | -           | -         | -          | 6.1         | % PDI             |
| Leucine digestible INRA 2018  | -           | -         | -          | 9.5         | % PDI             |
| Phénylalanine digestible INRA 2018  | -           | -         | -          | 6.2         | % PDI             |
| Arginine digestible INRA 2018   | -           | -         | -          | 5.1         | % PDI             |
| <b>BPR/Rumen degradable protein balance INRA 2018</b>                                   | 102         | 111       | g/kg       |             |                   |
| <b>PDI/Intestinal digestible protein from feed INRA 2018</b>                            | 347         | 379       | g/kg       |             |                   |
| <b>PDI/Intestinal digestible Protein from feed INRA 2018</b>                            | 388         | 424       | g/kg       |             |                   |
| Histidine digestible INRA 2018  | -           | -         | -          | 2.4         | % PDI             |
| Méthionine digestible INRA 2018   | -           | -         | -          | 1.9         | % PDI             |
| Lysine digestible INRA 2018   | -           | -         | -          | 6.7         | % PDI             |
| RUP/Protéines non dégradables dans le rumen/undegradable protein NRC 2001               | -           | -         | -          | 37          | %Protéines brutes |

### Porcs, acides aminés digestibles/Digestible amino acids for pig

| Paramètre/Parameter   | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other | Unité/Unit |
|---|-------------|-----------|------------|-------------|------------|
| Lysine Digestible Porc/Pig                                    | 28.0        | 30.6      | g/kg       |             |            |
| Méthionine Digestible Porc/Pig                                | 8.8         | 9.6       | g/kg       |             |            |
| Cystine Digestible Porc/Pig                                   | 2.7         | 3.0       | g/kg       |             |            |
| Threonine Digestible Porc/Pig                                 | 20.1        | 22.0      | g/kg       |             |            |
| Tryptophane Digestible Porc/Pig                               | 10.4        | 11.4      | g/kg       |             |            |
| Isoleucine Digestible Porc/Pig                                | 20.0        | 21.9      | g/kg       |             |            |
| Valine Digestible Porc/Pig                                    | 23.4        | 25.6      | g/kg       |             |            |
| Leucine Digestible Porc/Pig                                   | 38.2        | 41.7      | g/kg       |             |            |
| Histidine Digestible Porc/Pig                                 | 9.9         | 10.8      | g/kg       |             |            |
| Phénylalanine Digestible Porc/Pig                             | 24.3        | 26.6      | g/kg       |             |            |
| Tyrosine Digestible Porc/Pig                                  | 18.6        | 20.3      | g/kg       |             |            |
| Arginine Digestible Porc/Pig                                  | 27.7        | 30.3      | g/kg       |             |            |
| Alanine Digestible Porc/Pig                                   | 24.0        | 26.2      | g/kg       |             |            |
| Acide aspartique Digestible Porc/Digestible aspartic acid Pig | 41.1        | 44.9      | g/kg       |             |            |

|   |      |      |      |
|---|------|------|------|
| Acide glutamique Digestible Porc/Digestible Glutamic acid Pig | 42.9 | 46.9 | g/kg |
| Glycine Digestible Porc/Pig                                   | 21.1 | 23.1 | g/kg |
| Serine Digestible Porc/Pig                                    | 16.6 | 18.1 | g/kg |
| Proline Digestible Porc/Pig                                   | 15.0 | 16.4 | g/kg |

### Volailles, acides aminés digestibles/Digestible amino acids for poultry

| Paramètre/Parameter                       | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other Unité/Unit |
|---|-------------|-----------|------------|------------------------|
| Lysine Digestible Volaille/Poultry        | 28.3        | 30.9      | g/kg       |                        |
| Methionine Digestible Volaille/Poultry    | 9.1         | 9.9       | g/kg       |                        |
| Cystine Digestible Volaille/Poultry       | 2.8         | 3.1       | g/kg       |                        |
| Threonine Digestible Volaille/Poultry     | 20.2        | 22.1      | g/kg       |                        |
| Tryptophane Digestible Volaille/Poultry   | 10.5        | 11.5      | g/kg       |                        |
| Isoleucine Digestible Volaille/Poultry    | 20.9        | 22.8      | g/kg       |                        |
| Valine Digestible Volaille/Poultry        | 24.7        | 27.0      | g/kg       |                        |
| Leucine Digestible Volaille/Poultry       | 39.4        | 43.1      | g/kg       |                        |
| Histidine Digestible Volaille/Poultry     | 10.3        | 11.3      | g/kg       |                        |
| Phenylalanine Digestible Volaille/Poultry | 25.4        | 27.8      | g/kg       |                        |
| Tyrosine Digestible Volaille/Poultry      | 19.2        | 21.0      | g/kg       |                        |
| Arginine Digestible Volaille/Poultry      | 28.3        | 30.9      | g/kg       |                        |
| Serine Digestible Volaille/Poultry        | 16.8        | 18.4      | g/kg       |                        |

### Valeurs nutritionnelles particulières/Other nutritional values

| Paramètre/Parameter  | Brut/as fed | Sec/on DM | Unité/Unit | Autre/Other Unité/Unit |
|--|-------------|-----------|------------|------------------------|
| <b>Ca abs</b> /Calcium absorbable ruminants/Absorbable Calcium by ruminants <b>INRA 2018</b>     | 18.6        | 20.3      | g/kg       |                        |
| <b>P abs</b> /Phosphore absorbable ruminants/Absorbable Phosphorus by ruminants <b>INRA 2018</b> | 6.3         | 6.9       | g/kg       |                        |
| <b>P disp</b> /Phosphore disponible Volailles/Available phosphorus for poultry <b>INRA</b>       | 6.5         | 7.1       | g/kg       |                        |
| <b>BE</b> Balance électrolytique/ <b>DEB</b> Dietary electrolyt balance                          | 168         | 184       | mEq/kg     |                        |
| <b>BACA</b> Balance Cation-Anion/ <b>DCAB</b> Dietary Cation-Anion balance                       | -62         | -68       | mEq/kg     |                        |
| <b>VS</b> /Valeur de structure/Structure value <b>CLVO Gent</b>                                  | -           | -         | -          | - Unité                |
| <b>bVEC</b> /Valeur d'encombrement/ Fill unit <b>INRA 2018</b>                                   | -           | -         | -          | 0.27 UEL/kgMS          |
| <b>IT3</b> /Indice IT3 BBC/Omega 3 index <b>BBC</b>  | 28          | 30.6      | -          | Unité                  |
| <b>RFV</b> /Valeur fourragère USDA/Relative feed value <b>USDA</b>                               | -           | -         | -          | - Unité                |