

## CANINE MAINTENANCE AAFCO NUTRIENT PROFILE CLAIM SUBSTANTIATION

| DATE:                                | Q2 2018                  | AAFCO NUTRIENT<br>PROFILE FOR CANINE<br>GROWTH & REPRODUCTION |                        | PRODUCT<br>Holistic Select Grain Free<br>Whitefish, Salmon & Herring Pate Recipe |                        |                      |                        |
|--------------------------------------|--------------------------|---------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------|------------------------|----------------------|------------------------|
| Nutrients                            | Unit BASIS DM<br>or kcal | Dry Matter<br>Basis, %                                        | g/Per 1,000<br>kcal ME | As fed Basis,<br>%                                                               | Dry Matter<br>Basis, % | Per 1,000<br>kcal ME | Per 13 oz can<br>369 g |
| M.E. kcal/kg                         | kcal/kg                  | 4,000.00                                                      | -                      | 1,362.00                                                                         | 4,553.66               | -                    | 503                    |
| <b>PROXIMATES:</b>                   |                          |                                                               |                        |                                                                                  |                        |                      |                        |
| MOISTURE                             | %                        | -                                                             | -                      | 70.09                                                                            | -                      | -                    |                        |
| PROTEIN                              | %                        | 22.50                                                         | 56.25                  | 12.72                                                                            | 42.53                  | 93.39                | 46.94                  |
| FAT                                  | %                        | 8.50                                                          | 21.25                  | 8.57                                                                             | 28.65                  | 62.92                | 31.62                  |
| CARBOHYDRATES                        | %                        | -                                                             | -                      | 4.73                                                                             | 15.81                  | 34.73                | 17.45                  |
| FIBER                                | %                        | -                                                             | -                      | 1.40                                                                             | 4.68                   | 10.28                | 5.17                   |
| ASH                                  | %                        | -                                                             | -                      | 2.49                                                                             | 8.32                   | 18.28                | 9.19                   |
| <b>AMINO ACIDS:</b>                  |                          |                                                               |                        |                                                                                  |                        |                      |                        |
| ARGININE                             | %                        | 1.00                                                          | 2.50                   | 0.83                                                                             | 2.77                   | 6.09                 | 3.06                   |
| HISTIDINE                            | %                        | 0.44                                                          | 1.10                   | 0.33                                                                             | 1.10                   | 2.42                 | 1.22                   |
| ISOLEUCINE                           | %                        | 0.71                                                          | 1.78                   | 0.65                                                                             | 2.17                   | 4.77                 | 2.40                   |
| LEUCINE                              | %                        | 1.29                                                          | 3.23                   | 0.96                                                                             | 3.21                   | 7.05                 | 3.54                   |
| LYSINE                               | %                        | 0.90                                                          | 2.25                   | 0.94                                                                             | 3.14                   | 6.90                 | 3.47                   |
| MET + CYS                            | %                        | 0.70                                                          | 1.75                   | 0.51                                                                             | 1.71                   | 3.74                 | 1.88                   |
| METHIONINE                           | %                        | 0.35                                                          | 0.88                   | 0.29                                                                             | 0.97                   | 2.13                 | 1.07                   |
| PHE + TYR                            | %                        | 1.30                                                          | 3.25                   | 1.03                                                                             | 3.44                   | 7.56                 | 3.80                   |
| PHENYLALANINE                        | %                        | 0.83                                                          | 2.08                   | 0.59                                                                             | 1.97                   | 4.33                 | 2.18                   |
| THREONINE                            | %                        | 1.04                                                          | 2.60                   | 0.56                                                                             | 1.87                   | 4.11                 | 2.07                   |
| TRYPTOPHAN                           | %                        | 0.20                                                          | 0.50                   | 0.17                                                                             | 0.57                   | 1.25                 | 0.63                   |
| VALINE                               | %                        | 0.68                                                          | 1.70                   | 0.63                                                                             | 2.11                   | 4.63                 | 2.32                   |
| <b>FATTY ACIDS:</b>                  |                          |                                                               |                        |                                                                                  |                        |                      |                        |
| LINOLEIC ACID                        | %                        | 1.30                                                          | 3.25                   | 1.24                                                                             | 4.15                   | 9.10                 | 4.58                   |
| ALPHA-LINOLENIC ACID                 | %                        | 0.08                                                          | 0.20                   | 0.14                                                                             | 0.47                   | 1.03                 | 0.52                   |
| EPA + DHA                            | %                        | 0.05                                                          | 0.13                   | 0.18                                                                             | 0.60                   | 1.32                 | 0.66                   |
| <b>MINERALS:</b>                     |                          |                                                               |                        |                                                                                  |                        |                      |                        |
| CALCIUM                              | %                        | 1.20                                                          | 3.00                   | 0.49                                                                             | 1.64                   | 3.60                 | 1.81                   |
| PHOSPHORUS                           | %                        | 1.00                                                          | 2.50                   | 0.40                                                                             | 1.34                   | 2.94                 | 1.48                   |
| POTASSIUM                            | %                        | 0.60                                                          | 1.50                   | 0.38                                                                             | 1.27                   | 2.79                 | 1.40                   |
| SODIUM                               | %                        | 0.30                                                          | 0.75                   | 0.19                                                                             | 0.64                   | 1.40                 | 0.70                   |
| CHLORIDE                             | %                        | 0.45                                                          | 1.13                   | 0.40                                                                             | 1.34                   | 2.94                 | 1.48                   |
| MAGNESIUM                            | %                        | 0.06                                                          | 0.15                   | 0.04                                                                             | 0.13                   | 0.29                 | 0.15                   |
| IRON                                 | MG/KG or MG              | 88.00                                                         | 22.00                  | 60.58                                                                            | 202.54                 | 44.47870778          | 22.35                  |
| COPPER                               | MG/KG or MG              | 12.40                                                         | 3.10                   | 7.20                                                                             | 24.07                  | 5.29                 | 2.66                   |
| MANGANESE                            | MG/KG or MG              | 7.20                                                          | 1.80                   | 5.95                                                                             | 19.89                  | 4.37                 | 2.20                   |
| ZINC                                 | MG/KG or MG              | 100.00                                                        | 25.00                  | 51.73                                                                            | 172.95                 | 37.98                | 19.09                  |
| IODINE                               | MG/KG or MG              | 1.00                                                          | 0.25                   | 0.56                                                                             | 1.87                   | 0.41                 | 0.21                   |
| SELENIUM                             | MG/KG or MG              | 0.35                                                          | 0.09                   | 0.29                                                                             | 0.97                   | 0.21                 | 0.11                   |
| <b>VITAMINS &amp; OTHERS:</b>        |                          |                                                               |                        |                                                                                  |                        |                      |                        |
| VITAMIN A                            | IU/KG or IU              | 5,000.00                                                      | 1,250.00               | 33974.12                                                                         | 113587.83              | 24,944.29            | 12536.45               |
| VITAMIN D <sub>3</sub>               | IU/KG or IU              | 500.00                                                        | 125.00                 | 677.29                                                                           | 2264.43                | 497.28               | 249.92                 |
| VITAMIN E                            | IU/KG or IU              | 50.00                                                         | 12.50                  | 26.31                                                                            | 87.96                  | 19.32                | 9.71                   |
| THIAMINE (VITAMIN B <sub>1</sub> )   | MG/KG or MG              | 2.25                                                          | 0.56                   | 97.17                                                                            | 324.87                 | 71.34                | 35.86                  |
| RIBOFLAVIN (VITAMIN B <sub>2</sub> ) | MG/KG or MG              | 5.20                                                          | 1.30                   | 3.77                                                                             | 12.60                  | 2.77                 | 1.39                   |
| PANTOTHENIC ACID                     | MG/KG or MG              | 12.00                                                         | 3.00                   | 11.55                                                                            | 38.62                  | 8.48                 | 4.26                   |
| NIACIN                               | MG/KG or MG              | 13.60                                                         | 3.40                   | 30.50                                                                            | 101.97                 | 22.39                | 11.25                  |
| PYRIDOXINE                           | MG/KG or MG              | 1.50                                                          | 0.38                   | 2.05                                                                             | 6.85                   | 1.51                 | 0.76                   |
| FOLIC ACID                           | MG/KG or MG              | 0.216                                                         | 0.05                   | 0.65                                                                             | 2.17                   | 0.48                 | 0.24                   |
| VITAMIN B <sub>12</sub>              | MG/KG or MG              | 0.028                                                         | 0.01                   | 0.05                                                                             | 0.17                   | 0.04                 | 0.02                   |
| CHOLINE                              | MG/KG or MG              | 1,360.00                                                      | 340.00                 | 1193.01                                                                          | 3988.67                | 875.93               | 440.22                 |

369

| kcalories           | Total | %     |
|---------------------|-------|-------|
| kcal- Protein       | 453   | 33.2% |
| kcal- Fat           | 741   | 54.4% |
| kcal- Carbohydrates | 168   | 12.4% |