

# Fresh 2.1

## Nutritional Profile

SMALLS

|                  |                         | TURKEY  |        | CHICKEN    |        | FISH       |        | PORK       |        | BIRD & FISH |        |            |
|------------------|-------------------------|---------|--------|------------|--------|------------|--------|------------|--------|-------------|--------|------------|
| Nutrient Profile |                         | Units   | As Fed | Dry Matter | As Fed | Dry Matter | As Fed | Dry Matter | As Fed | Dry Matter  | As Fed | Dry Matter |
| Energy           | ME (Calorie Content)    | kcal/kg | 1415   | 4287.88    | 1401   | 4968.09    | 1300   | 5689.28    | 1243   | 4603.70     | 1518   | 5009.90    |
|                  | ME (Calorie Content)    | kcal/oz | 40.11  | 121.56     | 39.72  | 140.84     | 36.85  | 161.29     | 35.24  | 130.51      | 43.03  | 142.03     |
|                  | Calories from Protein   | %       | 32%    |            | 40%    |            | 63%    |            | 45%    |             | 34%    |            |
|                  | Calories from Fat       | %       | 65%    |            | 58%    |            | 36%    |            | 54%    |             | 64%    |            |
|                  | Calories from Carbs     | %       | 2%     |            | 2%     |            | 1%     |            | 1%     |             | 2%     |            |
| Proximates       | Moisture                | %       | 67.00  | 33.00      | 71.80  | 28.20      | 77.15  | 22.85      | 73.00  | 27.00       | 69.70  | 30.30      |
|                  | Protein                 | %       | 16.00  | 48.70      | 15.42  | 54.72      | 16.05  | 70.30      | 16.70  | 61.85       | 15.20  | 50.17      |
|                  | Fat                     | %       | 13.29  | 40.00      | 9.27   | 32.88      | 3.75   | 16.35      | 8.30   | 30.74       | 11.90  | 39.27      |
|                  | Fiber                   | %       | 0.25   | 0.72       | 0.26   | 0.85       | 0.43   | 1.88       | 0.20   | 0.74        | 0.20   | 0.66       |
|                  | Ash                     | %       | 2.29   | 6.97       | 2.35   | 8.33       | 2.35   | 10.28      | 2.04   | 7.56        | 2.06   | 6.80       |
|                  | Carbohydrates           | %       | 1.17   | 3.54       | 0.90   | 3.20       | 0.28   | 1.23       | 0.24   | 0.89        | 0.94   | 3.10       |
| Minerals         | Phosphorus              | %       | 0.37   | 1.13       | 0.39   | 1.39       | 0.36   | 1.55       | 0.34   | 1.26        | 0.36   | 1.19       |
|                  | Potassium               | %       | 0.26   | 0.80       | 0.32   | 1.13       | 0.33   | 1.42       | 0.33   | 1.22        | 0.36   | 1.19       |
|                  | Magnesium               | %       | 0.04   | 0.12       | 0.04   | 0.15       | 0.03   | 0.13       | 0.04   | 0.15        | 0.04   | 0.13       |
|                  | Calcium                 | %       | 0.49   | 1.48       | 0.52   | 1.84       | 0.51   | 2.21       | 0.33   | 1.22        | 0.40   | 1.32       |
|                  | Sodium                  | %       | 0.16   | 0.47       | 0.10   | 0.36       | 0.15   | 0.63       | 0.13   | 0.48        | 0.10   | 0.33       |
|                  | Iron                    | ppm     | 61.25  | 185.75     | 63.60  | 225.75     | 48.40  | 211.50     | 68.20  | 252.59      | 61.90  | 204.29     |
|                  | Manganese               | ppm     | 4.25   | 12.85      | 4.50   | 16.00      | 8.00   | 35.40      | 4.00   | 14.81       | 4.60   | 15.18      |
|                  | Copper                  | ppm     | 4.48   | 13.55      | 4.60   | 16.33      | 3.95   | 17.30      | 6.40   | 23.70       | 4.90   | 16.17      |
|                  | Zinc                    | ppm     | 49.28  | 148.75     | 45.75  | 162.50     | 38.10  | 167.00     | 52.30  | 193.70      | 48.30  | 159.41     |
|                  | Chloride                | %       | 0.25   | 0.83       | 0.20   | 0.71       | 0.28   | 1.24       | 0.25   | 0.93        | 0.19   | 0.63       |
|                  | Iodine                  | ppm     | 1.7    | 5.4        | 2.1    | 7.5        | 1.3    | 5.5        | 0.9    | 3.26        | 2.0    | 6.61       |
| Selenium         | ppm                     | 0.28    | 0.93   | 0.34       | 1.16   | 0.32       | 1.42   | 0.34       | 1.26   | 0.32        | 1.07   |            |
| Vitamins         | Vitamin A               | IU/kg   | 52200  | 173000     | 32700  | 116000     | 8830   | 39100      | 7330   | 27148.15    | 31065  | 102525     |
|                  | Vitamin D               | IU/kg   | 524    | 1740       | 424    | 1500       | 1950   | 8630       | 420    | 1555.56     | 403    | 1329       |
|                  | Vitamin E               | IU/kg   | 64     | 214        | 75     | 266        | 44     | 196        | 68     | 251.48      | 71     | 235        |
|                  | Thiamine                | mg/kg   | 8.12   | 27.00      | 8.23   | 29.20      | 28.30  | 125.00     | 8.89   | 32.93       | 7.82   | 25.80      |
|                  | Riboflavin (Vitamin B2) | mg/kg   | 16.2   | 53.80      | 15.20  | 53.90      | 20.30  | 89.80      | 12.00  | 44.44       | 14.44  | 47.66      |
|                  | Niacin (Vitamin B3)     | mg/kg   | 82.6   | 274.00     | 88.80  | 315.00     | 169.00 | 748.00     | 113.00 | 418.52      | 84.36  | 278.42     |
|                  | Choline                 | mg/kg   | 2120   | 7040       | 1710   | 6060       | 2500   | 11100      | 2500   | 9259.26     | 1625   | 5361       |
|                  | Pantothenic acid        | mg/kg   | 56.2   | 187.00     | 71.60  | 254.00     | 15.60  | 69.00      | 49.90  | 184.81      | 68.02  | 224.49     |
|                  | Pyridoxine (Vitamin B6) | mg/kg   | 2.75   | 9.14       | 2.94   | 10.40      | 24.30  | 108.00     | 2.72   | 10.07       | 2.79   | 9.22       |
|                  | Biotin                  | mg/kg   | 0.28   | 0.93       | 0.30   | 1.06       | 0.36   | 1.59       | 0.18   | 0.67        | 0.29   | 0.94       |
|                  | Folic acid              | mg/kg   | 4.10   | 13.60      | 3.84   | 13.60      | 4.46   | 19.70      | 2.03   | 7.52        | 3.65   | 12.04      |
|                  | Vitamin B12             | mg/kg   | 0.024  | 0.080      | 0.063  | 0.223      | 0.068  | 0.301      | 0.021  | 0.08        | 0.060  | 0.198      |
| Amino Acids      | Arginine                | %       | 0.780  | 2.590      | 0.904  | 3.200      | 1.040  | 4.600      | 1.000  | 3.70        | 0.859  | 2.834      |
|                  | Histidine               | %       | 0.328  | 1.090      | 0.400  | 1.420      | 0.311  | 1.380      | 0.457  | 1.69        | 0.380  | 1.254      |
|                  | Isoleucine              | %       | 0.622  | 2.070      | 0.692  | 2.450      | 0.702  | 3.110      | 0.622  | 2.30        | 0.657  | 2.170      |
|                  | Leucine                 | %       | 0.975  | 3.240      | 1.000  | 3.550      | 1.010  | 4.470      | 1.180  | 4.37        | 0.950  | 3.135      |
|                  | Lysine                  | %       | 1.130  | 3.750      | 1.250  | 4.430      | 1.370  | 6.060      | 1.280  | 4.74        | 1.188  | 3.919      |
|                  | Methionine              | %       | 0.380  | 1.260      | 0.380  | 1.350      | 0.380  | 1.680      | 0.360  | 1.33        | 0.361  | 1.191      |
|                  | Methionine-Cystine      | %       | 0.580  | 1.920      | 0.580  | 2.060      | 0.500  | 2.210      | 0.530  | 1.96        | 0.551  | 1.818      |
|                  | Phenylalanine           | %       | 0.570  | 1.890      | 0.645  | 2.290      | 0.588  | 2.600      | 0.617  | 2.29        | 0.613  | 2.022      |
|                  | Phenylalanine-Tyrosine  | %       | 1.025  | 3.400      | 1.163  | 4.130      | 1.076  | 4.760      | 1.121  | 4.15        | 1.105  | 3.646      |
|                  | Taurine                 | %       | 0.200  | 0.660      | 0.150  | 0.530      | 0.150  | 0.660      | 0.150  | 0.56        | 0.143  | 0.470      |
|                  | Threonine               | %       | 0.548  | 1.820      | 0.602  | 2.130      | 0.593  | 2.620      | 0.660  | 2.44        | 0.572  | 1.887      |
|                  | Tryptophan              | %       | 0.130  | 0.430      | 0.130  | 0.460      | 0.160  | 0.710      | 0.190  | 0.70        | 0.124  | 0.408      |
|                  | Valine                  | %       | 0.638  | 2.120      | 0.737  | 2.610      | 0.786  | 3.480      | 0.751  | 2.78        | 0.700  | 2.311      |
| Fatty Acids      | Linoleic Acid           | %       | 3.15   | 9.55       | 1.83   | 6.49       | 0.30   | 1.31       | 1.77   | 6.56        | 1.74   | 5.74       |
|                  | alpha-Linolenic acid    | %       | 0.23   | 0.70       | 0.15   | 0.53       | 0.19   | 0.83       | 0.04   | 0.15        | 0.14   | 0.47       |
|                  | Arachidonic acid        | %       | 0.12   | 0.36       | 0.09   | 0.32       | 0.01   | 0.04       | 0.13   | 0.48        | 0.09   | 0.28       |
|                  | Omega 3                 | %       | 0.26   | 0.79       | 0.18   | 0.64       | 0.50   | 2.19       | 0.11   | 0.41        | 0.17   | 0.56       |
|                  | Omega 6                 | %       | 0.31   | 0.94       | 1.96   | 6.95       | 0.35   | 1.53       | 1.96   | 7.26        | 1.86   | 6.15       |

# Freeze-Dried Nutritional Profile

SMALLS

|                         |                        | FREEZE-DRIED CHICKEN |        | FREEZE-DRIED TURKEY |           | FREEZE-DRIED FISH |           |            |
|-------------------------|------------------------|----------------------|--------|---------------------|-----------|-------------------|-----------|------------|
| Nutrient Profile        |                        | Units                | As Fed | Dry Matter          | As Fed    | Dry Matter        | As Fed    | Dry Matter |
| Energy                  | ME (Calorie Content)   | kcal/kg              | 4669   |                     | 4679      |                   | 4729      |            |
|                         | ME (Calorie Content)   | kcal/oz              | 132.36 |                     | 132.65    |                   | 134.06    |            |
|                         | Calories from Protein  | %                    | 40%    |                     | 36%       |                   | 39%       |            |
|                         | Calories from Fat      | %                    | 57%    |                     | 64%       |                   | 59%       |            |
|                         | Calories from Carbs    | %                    | 2%     |                     | 0%        |                   | 1%        |            |
| Proximates              | Moisture               | %                    | 6.61   | 93.39               | 7.13      | 92.87             | 6.52      | 93.48      |
|                         | Protein                | %                    | 51.10  | 54.72               | 48.70     | 52.44             | 48.70     | 52.10      |
|                         | Fat                    | %                    | 29.80  | 31.91               | 35.90     | 38.66             | 30.00     | 32.09      |
|                         | Fiber                  | %                    | <0.20  |                     | <0.20     |                   | <0.20     |            |
|                         | Ash                    | %                    | 9.34   | 10.00               | 7.75      | 8.34              | 13.00     | 13.91      |
|                         | Carbohydrates          | %                    | 3.15   | 3.37                | 0.52      | 0.56              | 1.78      | 1.90       |
| Minerals                | Phosphorus             | %                    | 1.60   | 1.71                | 1.30      | 1.40              | 2.06      | 2.20       |
|                         | Potassium              | %                    | 1.13   | 1.21                | 0.91      | 0.98              | 1.12      | 1.20       |
|                         | Magnesium              | %                    | 0.16   | 0.17                | 0.12      | 0.13              | 0.14      | 0.15       |
|                         | Calcium                | %                    | 2.30   | 2.46                | 1.67      | 1.80              | 3.30      | 3.53       |
|                         | Sodium                 | %                    | 0.42   | 0.45                | 0.39      | 0.42              | 1.01      | 1.08       |
|                         | Iron                   | ppm                  | 178.00 | 190.60              | 316.00    | 340.26            | 195.00    | 208.60     |
|                         | Manganese              | ppm                  | 9.00   | 9.64                | 17.30     | 18.63             | 22.50     | 24.07      |
|                         | Copper                 | ppm                  | 10.20  | 10.92               | 22.90     | 24.66             | 21.00     | 22.46      |
|                         | Zinc                   | ppm                  | 129.00 | 138.13              | 223.00    | 240.12            | 191.00    | 204.32     |
|                         | Chloride               | %                    | 0.68   | 0.73                | 0.64      | 0.69              | 1.67      | 1.79       |
|                         | Iodine                 | ppm                  | 2.8    | 2.98                | 3.7       | 4.01              | 5.6       | 6.03       |
|                         | Selenium               | ppm                  | 0.81   | 0.87                | 1.48      | 1.59              | 1.69      | 1.81       |
|                         | Vitamins               | Vitamin A            | IU/kg  | 126000              | 134918.09 | 296489            | 319251.64 | 44400      |
| Vitamin D               |                        | IU/kg                | 1240   | 1327.77             | 2000      | 2153.55           | 10400     | 11125.37   |
| Vitamin E               |                        | IU/kg                | 170    | 182.03              | 80        | 85.93             | 100       | 106.97     |
| Thiamine                |                        | mg/kg                | 31.30  | 33.52               | 30.40     | 32.73             | 22.40     | 23.96      |
| Riboflavin (Vitamin B2) |                        | mg/kg                | 24.80  | 26.56               | 23.20     | 24.98             | 28.70     | 30.70      |
| Niacin (Vitamin B3)     |                        | mg/kg                | 130    | 139.20              | 131.00    | 141.06            | 108.00    | 115.53     |
| Choline                 |                        | mg/kg                | 2900   | 3105.26             | 6720      | 7235.92           | 6710      | 7178.01    |
| Pantothenic acid        |                        | mg/kg                | 79.00  | 84.59               | 71.70     | 77.20             | 51.50     | 55.09      |
| Pyridoxine (Vitamin B6) |                        | mg/kg                | 6.20   | 6.64                | 6.68      | 7.19              | 5.09      | 5.45       |
| Biotin                  |                        | mg/kg                | 0.79   | 0.85                | 0.67      | 0.72              | 0.52      | 0.56       |
| Folic acid              |                        | mg/kg                | 2.37   | 2.54                | 2.71      | 2.92              | 2.57      | 2.75       |
| Vitamin B12             |                        | mg/kg                | 0.052  | 0.06                | 0.028     | 0.03              | 0.032     | 0.03       |
| Amino Acids             | Arginine               | %                    | 3.550  | 3.80                | 2.860     | 3.08              | 3.120     | 3.34       |
|                         | Histidine              | %                    | 1.420  | 1.52                | 1.210     | 1.30              | 1.050     | 1.12       |
|                         | Isoleucine             | %                    | 2.210  | 2.37                | 1.660     | 1.79              | 1.750     | 1.87       |
|                         | Leucine                | %                    | 3.650  | 3.91                | 3.220     | 3.47              | 2.750     | 2.94       |
|                         | Lysine                 | %                    | 3.980  | 4.26                | 3.540     | 3.81              | 3.270     | 3.50       |
|                         | Methionine             | %                    | 1.100  | 1.18                | 1.000     | 1.08              | 1.100     | 1.18       |
|                         | Methionine-Cystine     | %                    | 1.610  | 1.72                | 1.470     | 1.58              | 1.410     | 1.51       |
|                         | Phenylalanine          | %                    | 2.110  | 2.26                | 1.860     | 2.00              | 1.670     | 1.79       |
|                         | Phenylalanine-Tyrosine | %                    | 3.870  | 4.14                | 3.450     | 3.71              | 3.030     | 3.24       |
|                         | Taurine                | %                    | 0.369  | 0.40                | 0.290     | 0.31              | 0.280     | 0.30       |
|                         | Threonine              | %                    | 1.880  | 2.01                | 1.770     | 1.91              | 1.570     | 1.68       |
|                         | Tryptophan             | %                    | 0.500  | 0.54                | 0.540     | 0.58              | 0.330     | 0.35       |
|                         | Valine                 | %                    | 2.360  | 2.53                | 1.950     | 2.10              | 1.910     | 2.04       |
| Fatty Acids             | Linoleic Acid          | %                    | 8.09   | 8.66                | 13.50     | 14.54             | 3.60      | 3.85       |
|                         | alpha-Linolenic acid   | %                    | 0.70   | 0.75                | 1.36      | 1.46              | 1.00      | 1.07       |
|                         | Arachidonic acid       | %                    | 0.32   | 0.34                | 0.43      | 0.46              | 0.16      | 0.17       |
|                         | Omega 3                | %                    | 0.82   | 0.88                | 1.48      | 1.59              | 4.43      | 4.74       |
|                         | Omega 6                | %                    | 8.56   | 9.17                | 14.00     | 15.07             | 4.13      | 4.42       |