|  |  |  |
| --- | --- | --- |
| **Components**  | **unit**  | **Skim Colostrum Extract Powder, >20% IgG**  |
| **General Composition**  |
| Protein  | %  | >80  |
| Fat  | %  | <2  |
| Lactose  | %  | <11  |
| **Fatty Acid Profile**  |
| C6 (Caproic Acid )  | mg fatty acid / g fat  | 17 |
| C8 (Caprylic Acid )  | mg fatty acid / g fat  | 10 |
| C10.0 (Capric Acid )  | mg fatty acid / g fat  | 23 |
| C12.0 ( Lauric Acid )  | mg fatty acid / g fat  | 28 |
| C14.0 ( Myristic Acid )  | mg fatty acid / g fat  | 103 |
| C16.0 ( Palmitic Acid )  | mg fatty acid / g fat  | 290 |
| C16.1 ( Palmitoleic Acid )  | mg fatty acid / g fat  | 19 |
| C18.0 (Stearic Acid )  | mg fatty acid / g fat  | 118 |
| C18.1 ( Oleic Acid )  | mg fatty acid / g fat  | 237 |
| C18.2 ( Linoleic Acid )  | mg fatty acid / g fat  | 19 |
| C20 +  | mg fatty acid / g fat  | >30  |
| **Amino Acid Profile**  |   |
| Alanine  | g amino acid / 100g protein  | 3.5 |
| Arginine  | g amino acid / 100g protein  | 3.9 |
| Aspartic acid  | g amino acid / 100g protein  | 7.9 |
| Cystine  | g amino acid / 100g protein  | 1.5 |
| Glutamic acid  | g amino acid / 100g protein  | 19.4 |
| Glycine  | g amino acid / 100g protein  | 2.4 |
| Histidine  | g amino acid / 100g protein  | 2.6 |
| Isoleucine  | g amino acid / 100g protein  | 4.7 |
| Leucine  | g amino acid / 100g protein  | 9.3 |
| Lysine  | g amino acid / 100g protein  | 7.9 |
| Methionine  | g amino acid / 100g protein  | 2.4 |
| Phenylalanine  | g amino acid / 100g protein  | 4.7 |
| Proline  | g amino acid / 100g protein  | 9 |
| Serine  | g amino acid / 100g protein  | 6.4 |
| Threonine  | g amino acid / 100g protein  | 5.2 |
| Tryptophan  | g amino acid / 100g protein  | 1.7 |
| Tyrosine  | g amino acid / 100g protein  | 5.5 |
| Valine  | g amino acid / 100g protein  | 6.4 |
| **Immunogobulines**  |   |
| IgG (by HPLC)  | W/W %  | >20  |
| IgA  | mg/g  | 4.3 |
| IgM  | mg/g  | 8 |
| **Growth Factors**  |   |
| IgF-1  | ng/g  | 713 |
| IgF-2  | ng/g  | 200 |
| TgF beta-1  | ng/g  | 150 |
| TgF beta-2  | ng/g  | 1010 |
| EgF  | ng/g  | 84 |
| **Anti-Microbial Component**  |   |
| Lactoferrin  | mg/g  | 3 |
| Lactoperoxidase  | units/g  | 25-90  |
| **Minerals**  |   |
| Calcium  | mg/100g  | 1530 |
| Chloride  | mg/100g  | 173 |
| Copper  | mg/100g  | 0.1 |
| Iron  | mg/100g  | 0.8 |
| Magnesium  | mg/100g  | 104 |
| Phosphorus  | mg/100g  | 1048 |
| Potassium  | mg/100g  | 395 |
| Sodium  | mg/100g  | 118 |
| Zinc  | mg/100g  | 9.9 |
| **Vitamins**  |
| A  | μg/100g  | 20 |
| B2  | μg/100g  | 578 |
| B12  | μg/100g  | 17.8 |
| C  | mg/100g  | 1 |
| D  | μg/100g  | <0.2  |
| E  | μg/100g  | 164 |
| Folic Acid  | μg/100g  | 230 |
| **Microbiological Analysis**  | **Food grade**  |
| Aerobic Plate Count  | cfu/g  | <5000  |
| Coliformes  | cfu/g  | Absent  |
| Yeasts & Moulds  | cfu/g  | <50  |
| Escherichia coli  | /g  | Absent  |
| Salmonella  | /25g | Absent |
| Coag. Pos. S. aureus  | /g  | Absent  |

Supplementary Table 1: Bovine colostrum composition as provided by the manufacturer