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| --- | --- | --- |
| **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