



BLOMMER CHOCOLATE COMPANY

PROTEIN

A. BRIEF DESCRIPTION OF PROTEIN

Proteins are the building block of life. They consist of one or more polypeptides. A polypeptide is a single linear polymer chain of amino acids bonded by peptide bonds. There are 20 types of amino acids that make up these polypeptides. Those that can't be made by our body are called essential amino acids. Our body will break down the protein into the amino acids. Proteins are needed by every cell, tissue and organ. They are used to help your body repair and make new cells.

There are 2 main categories for proteins - Animal Based (beef, chicken, milk, eggs, fish) and Plant - (legumes, cereals, and nut and seeds).

B. FUNCTIONALITY OF PROTEIN IN CHOCOLATE

Of all the proteins out there most people fail to realize that the cocoa beans do contain low levels of protein and will contribute to overall protein, but the main types of proteins in our fortified chocolate and coatings are derived from milk. These ingredients include Whey Protein Concentrate, Whey Protein Hydrolysate, Milk Protein Concentrate, Milk Protein Isolate, Sodium Caseinate, etc. These complete proteins not only add to overall nutritionally, but also contribute to both texture and flavor.

We are always looking at alternative proteins in our products as they relate to nutritional benefits, functionality in a chocolate or coating and flavor. We strive to be a leader in protein fortified coatings. If you require further information about proteins please contact your salesperson and they will put you in touch with the appropriate person to discuss options.

C. NUTRITIONAL DISCUSSION

- a. Proteins are additionally categorized by how many essential amino acids they provide. Complete Proteins contain all essential amino acids. Animal Based proteins are complete proteins. Incomplete proteins are those that are low in one or more essential amino acids.

- b. Whey Protein Concentrate contains essential amino acids that are known for health and wellness including bone health and improved immunity. Additionally, WPC is a good source of Branched Chain Amino Acids which are often associated with muscle building.

Blommer

CAMPBELLFORD, ON
CANADA

CHICAGO, IL

EAST GREENVILLE, PA

UNION CITY, CA

BLOMMER CHOCOLATE COMPANY

PROTEIN

D. CURRENT TRENDS

- a. From a functional food perspective protein fortified products continue to be one of the most popular products. It has gone from the just weight lifters to mainstream because of its ability to assist in weight management and satiety.

- b. Within the nutritional bar and confectionery industry WPC is considered the gold standard among proteins. There are some signs pointing to plant based proteins gaining ground in next few years.

E. BLOMMER ITEMS

- a. Blommer Chocolate Offers a variety of products fortified with milk proteins. Most of these products are whey protein concentrates, but others include milk protein concentrates, milk protein isolates and whey protein concentrates. Some of these products include Reduced Sugar, Yogurt, Dark Chocolate Flavored. Please contact your sales representative for further details.



CAMPBELLFORD, ON
CANADA

CHICAGO, IL

EAST GREENVILLE, PA

UNION CITY, CA