



DARITEK[®] DMX – Whey Protein Concentrate Code 369

PRODUCT DESCRIPTION

Daritek[®] DMX is a reduced mineral, spray dried whey protein concentrate with a minimum of 34% protein (WPC-34). Sweet whole whey is processed by ultrafiltration to remove a portion of the smaller molecular weight milk minerals and lactose. Additional minerals are then removed by an exclusive electro dialysis process to produce a uniquely functional, highly nutritious protein ingredient.

FUNCTIONALITY

Daritek DMX has a 50% lower ash content and 40% lower sodium content as compared to WPC-34. It has a 40% lower ash content and 55% lower sodium content than NFDM. The reduction in ash and sodium provides enhanced solubility, water absorption and whipping properties.

TYPICAL APPLICATIONS

Infant formula: The high concentration of undenatured whey protein and low concentration of minerals make Daritek DMX ideal for infant formula.

Special dietary products: Greater mineral removal reduces the added sodium in special diets. Significant concentrations of calcium, magnesium, phosphorus and protein remain.

STORAGE CONDITIONS

Dry/ambient conditions are recommended. Store less than 75% relative humidity. Do not store under refrigeration.

RE-EVALUATION DATE

Twenty-four months from date of manufacture.

TECHNICAL DATA

Ingredient Listing: Whey Protein Concentrate (milk)

Physical Analysis	Typical	Specification
Protein (Nx6.38)%	36.4	34.0 (min)
Lactose %	56.0	58.0 (max)
Fat %	3.9	4.5 (max)
Minerals %	1.6	3.0 (max)
Moisture %	2.9	4.0 (max)
pH	6.5	6.4-6.8

Microbiological Standards

Std Plate Count cfu/g	3,000	10,000 (max)
Coliform Count cfu/g	Negative	10 (max)
E. coli	Negative	Negative
Salmonella	Negative	Negative

Food Energy

K Cal/100g	390
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Mineral Analysis

Calcium mg/100g	200
Iron mg/100g	Nil
Magnesium mg/100g	60
Phosphorus mg/100g	220
Potassium mg/100g	340
Sodium mg/100g	180
Chloride mg/100g	45

Physical Characteristics

Appearance	Free from lumps that do not break up under slight pressure
Flavor	Free from any foreign flavors and odors
Extraneous matter	Free from extraneous matter

Allergen Classification

Dairy product – contains whey proteins and lactose.