



CULTURTEK
Code 347

PRODUCT DESCRIPTION

Culturtek is a spray dried whey protein concentrate containing an active yogurt culture which provides cultured flavors to numerous food applications, including frozen desserts and compound coatings. Sweet whole whey is processed in an ultrafiltration system, removing a portion of the small molecular weight milk minerals and milk sugar (lactose). This product is uniquely processed to modify its water absorption properties.

FUNCTIONALITY

Culturtek is a white to cream-colored, free-flowing powder that has a cultured flavor and can be used to replace nonfat dry milk. This product is uniquely functional in terms of water binding when used in applications. Whey protein concentrates are a highly nutritious source of protein, with PER values that exceed those of casein.

TYPICAL APPLICATIONS

Frozen desserts: In frozen desserts this product provides the cultured flavor commonly found in yogurts. In addition, this product is capable of replacing up to 100% of the dairy solids normally used in frozen desserts. **Compound coatings:** It is possible to incorporate a cultured flavor into compound coatings by using Culturtek in place of non-fat dry milk. When using this product no changes in formulation or processing are necessary to maintain product characteristics.

STORAGE CONDITIONS

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

RE-EVALUATION DATE

Twelve months from date of manufacture.

TECHNICAL DATA

Ingredient Listing: Whey Protein Concentrate (milk), culture

Physical Analysis	Typical	Specification
Protein (Nx6.38)%	34.5	34.0 (min)
Fat %	3.5	4.5 (max)
Minerals %	6.4	8.0 (max)
Moisture %	3.5	5.0 (max)
Lactose %	52.0	
Acidity (as Lactic) %	0.49	
pH	5.0	5.2 (max)
Scorched Particles	7.5mg/25g	15.0mg/25g(max)

Microbiological Standards

Lactobacillus cfu/g	1,800,000	500,000 (min)
E. coli	Negative	Negative
Salmonella	Negative	Negative

Food Energy

K Cal/100g	380
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Mineral Analysis

Magnesium mg/100g	110
Sodium mg/100g	550
Potassium mg/100g	1,700
Iron mg/100g	0.6
Calcium mg/100g	530
Phosphorus mg/100g	530
Chloride mg/100g	1,100

Vitamin Analysis

Thiamine mg/100g	0.4
Riboflavin mg/100g	1.8
Niacin mg/100g	0.4

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.