



# CHALLENGE DAIRY PRODUCTS, INC.

11875 Dublin Blvd., Suite B 230 • Dublin, CA 94568 • Phone: 925.828.6165 • www.challengedairy.com

## PRODUCT SPECIFICATIONS

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### WHEY PROTEIN CONCENTRATE (34% PROTEIN)

**Description:**

Whey Protein Concentrate is produced from sweet dairy whey in an Ultrafiltration system, where some portion of the lactose and minerals are removed, resulting in an increased protein level. Whey Protein Concentrate features bland flavor, high nutrition protein (protein efficiency ratio 3.2) and high solubility in water, making it suitable for use in many food applications.

<u>Analysis</u>	<u>Typical</u>	<u>Specification</u>
Protein	34.5%	34% Minimum
Moisture	3.5%	4.0% Maximum
Carbohydrate	52.0%	
Fat	4.0%	6.0% Maximum
Minerals	7.0%	8.0% Maximum
pH	6.1	5.9 - 6.8
Scorched Particles	Disc A (7.5 mg)	Disc B (15.0 mg) Maximum
Color	White	Cream
Flavor	Clean, with no objectionable flavor	
Salmonella	Negative	Negative
Standard Plate Count	<10,000/gram	30,000/gram Maximum
Coliform	<10 gram	10/gram Maximum

**Uses:** Most food applications

**Advantages:** High protein efficiency (PER) of 3.2; Bland flavor; High solubility in water

**Packaging:** 50 pound bags

**Shipping and Storage:**

Actual shelf life of whey protein concentrate will vary based on storage temperature. Under dry storage conditions, at room temperature under 80°F (27°C), typical shelf life is up to 12 months. Freezing could also shorten the shelf life.



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## Whey Protein Concentrate 34 %

### Typical Nutritional Information: values per 100 grams

Calories	377 kcal
Calories from Fat	27.0 kcal
Total Fat	3.0 g
Saturated Fat	2.3 g
Trans Fat	0.0 g
Cholesterol	97 mg
Moisture	4.5 g
Ash	6.0 g
Sodium	551 mg
Total Carbohydrates	51 g
Protein	35 g
Phosphorous	538 mg
Calcium	536 mg
Potassium	1,651 mg
Iron	0.6 mg
Riboflavin	1.8 mg
Vitamin A	72IU