

# CA.160040

## "Vitamin-Free" Test Casein

### Description

Teklad's "Vitamin-Free" Test (VFT) Casein is manufactured at our Madison facility by extracting high quality casein (obtained from lactic acid precipitation of skim milk) with hot denatured ethanol. As compared to regular casein, our VFT Casein contains less fat, less moisture and more protein.

VFT Casein is best suited for purified test diet formulas where fat or vitamin content need to be precisely controlled. The reduced levels of many vitamins in VFT Casein make it the preferred protein source for many vitamin studies. Thus, the nickname "Vitamin-Free" was given to the extracted casein many years ago.

The nutrient content of VFT Casein is consistent, however the small variations that do occur are directly related to the nutrient variations inherent for different lots of casein prior to extraction. *Some typical nutrient values for VFT Casein are given for your reference.*

### Storage

This product should be stored in a cool, dry location. With proper storage, VFT Casein can be used for up to 12 months from the production date.

### Ordering

Minimum order size is 3 kg

Contact Customer Service to

· Place your order · Obtain Pricing ·

- **800-483-5523**
- [tekladorders@inotivco.com](mailto:tekladorders@inotivco.com)

### Other Comments

Our VFT Casein has a distinctive yellow-orange color.



### Typical Composition \*(as is basis)

Analyte	Mean	SD	Unit
Nitrogen	14.1	0.1	%
Protein (N x 6.38)	90.0	0.8	%
Fat	<0.1	--	%
Moisture	6.3	0.6	%
Calcium	0.02	0.004	%
Phosphorus	0.80	0.050	%
Sodium	<0.01	--	%
Potassium	<0.01	--	%
Magnesium	22.1	4.6	mg/Kg
Iron	3.7	1.3	mg/Kg
Copper	1.7	0.3	mg/Kg
Zinc	33.1	5.6	mg/Kg
Manganese	<0.3	--	mg/Kg
Folic Acid	0.4	0.2	mg/Kg

*Based on routine analysis*

### Amino Acids \*(% of VFT Casein, as is basis)

	Amount	Unit
Alanine	2.8	%
Arginine	3.4	%
Aspartic Acid	6.3	%
Cystine	0.3	%
Glutamic Acid	20.5	%
Glycine	1.6	%
Histidine	2.6	%
Isoleucine	5.2	%
Leucine	8.2	%
Lysine	7.2	%
Methionine	2.4	%
Phenylalanine	4.5	%
Proline	9.5	%
Serine	5.0	%
Threonine	3.9	%
Tryptophan	1.1	%
Tyrosine	4.7	%
Valine	6.0	%

*Based on historic data and casein supplier information.*

\* Values can vary among lots