



HARWICK STANDARD  
DISTRIBUTION CORPORATION

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ISO 9001-2000  
REGISTERED

## CASEINS

Caseins are produced by the continuous precipitation, washing and drying method. Close process control provides a variety of grades to meet a wide range of viscosity, solubility, and acidity requirements.

The following grades of Casein are currently available:

	<u>HAR CASEIN #10B(b)</u>	<u>HAR CASEIN #11</u>	<u>HAR CASEIN #12</u>
Crude Protein	83.0	85.60	85.74
Butterfat	2.0	0.91	1.89
Ash	2.50	2.10	2.26
Acidity	0.28	0.98	0.98
Lactose	1.00	Trace	Trace
Moisture	11.50	9.25	8.86
pH	4.50	4.40	4.50
Solubility	Complete 10 min. in 15% Borax	Complete 7 min. in 15% Borax	Complete 7 min. in 15% Borax
Viscosity (Stormer)	245 RPM	145 RPM	126 RPM
Color	Cream	Cream	Cream
Odor	Average	Lactic	Lactic
Dirt	Trace	Trace	Trace

  

	<u>HAR CASEIN #13</u>	<u>HAR CASEIN #18*</u> (Purecase)	<u>HAR CASEIN #20(a)</u> (Australian Ind.)
Crude Protein	88.74	84.80	88.74
Butterfat	1.30	1.40	1.30
Ash	0.76	2.30	0.76
Acidity	0.20	0.80	0.20
Lactose	0.25	Trace	0.25
Moisture	8.08	9.25	8.08
pH	4.60	4.60	4.60
Solubility	Complete 3 min. in 12% Borax	Complete 10 min. in 15% Borax	Complete 3 min. in 12% Borax
Viscosity (Stormer)	110 RPM	200 RPM	110 RPM
Color	Light Ran/White	Cream	Cream/White
Odor	Slight Lactic	Average	Slight Lactic
Dirt	Trace	Trace	Trace

(a) These grades are only available as non-restricted casein and carries a premium.

(b) This grade is only available as restricted casein (not for use in animal feed).

\* With Preservative

Continued....

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CASEINS, Continued

These grades of Casein are normally produced in the 30-40 mesh range. Finer mesh sizes are available on request at a modest premium.

Pure case grades which contain a preservative are available on request for each product at a modest premium.

STANDARD CASEIN TEST:

20 grams Casein, 3 grams Borax; 120 cc's water. Heat in bath of 65°C. water for fifteen minutes, and check for solubility, dirt, odor, and color. Then reduce temperature of casein solution to 25°C. Run viscosity on a Stormer Viscosimeter at 25°C. using a 500 gram weight, checking RPM's for one minute.

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