



Palsgaard®

GLOBAL PRODUCT CONCEPT-IMMUNE HEALTH

UHT Wheatgrass Milk

Prepared by Palsgaard's Global Industry Team Dairy – Mariana Tanudjaja

GLOBAL PRODUCT CONCEPT – IMMUNE HEALTH

UHT WHEATGRASS MILK

CHALLENGES IN PRODUCT DEVELOPMENT REQUIREMENT

- Sedimentation of the wheatgrass powder.
- Product stability
- Improvement of mouth feel
- Creaming
- Product with good organoleptic properties

PALSGAARD TECHNOLOGY

Palsgaard® ChoMilk 173 or Palsgaard® RecMilk 143

Mixture of emulsifier and stabilizers

PRODUCT ADVANTAGE

- Prevents sedimentation of particles at elevated temperatures.
- Prevents separation of fat.
- Improves the texture of the milk giving a richer and creamier mouth-feel.

EVALUATION



Click on photo to play online video evaluation of the UHT wheatgrass milk.

As seen in the video, the milk has a smooth consistency, no sedimentation and no serum separation or creaming. The mouthfeel is creamy with a subtle wheatgrass note.

PALSGAARD® CHOMILK 173 OR RECMILK 143

UHT Wheatgrass Milk – Recipe Suggestion



Recipe

	Percentage
Palsgaard® Chomilk 173 or Palsgaard® RecMilk 143	0.19 / 0.18
Skim Milk Powder	5.50
Whole Milk Powder	5.20
Sugar	2.80
Wheatgrass powder *	1.20
Exberry® Shade Mint Green**	0.70
Young Coconut flavour***	0.10
Di-sodium phosphate	+
Water up to	100.0%

*Biofinest, Organic, USA

**GNT, item 54600211

***Symrise, 893232

Procedure

- Hydrate skim milk powder and whole milk at 45-50°C, for approximately 20 minutes.
- Add pre-blended Palsgaard® ChoMilk 173 or RecMilk 143 with sugar to the milk solution while stirring.
- Add the rest of dry ingredients into the milk solution.
- Add color and flavor.
- Check the final pH of milk solution and adjust pH with di-sodium phosphate until pH is 6.70.
- Pre-heat to 65-75°C.
- Homogenize at 200/50 bars.
- UHT at 140°C for 4 seconds.
- Cool to below 25°C.
- Fill into bottles aseptically.
- Cool to below 25°C and fill aseptically



ORDER SAMPLES

To order samples of Palsgaard® ChoMilk 173 or Palsgaard® RecMilk 143, please contact your local Palsgaard office via Palsgaard.com