

MASBLEN® 4107

UHT Chocolate Milk

MASBLEN® 4107 is a functional blend consisting of specially selected emulsifiers and hydrocolloids developed for UHT chocolate milk.

Features of MASBLEN® 4107

- Comprise of GMO free, Halal and Kosher certified ingredients.
- Easy to use functional blend system powder.
- Enhance UHT chocolate milk stability.

Formulation Considerations while Using MASBLEN® 4107

- Optimum dosage of MASBLEN® 4107: 0.18 – 0.22% in total formulation.
- Actual dosage level varies depending on formulation and desired product performance.

Advantages of Using MASBLEN® 4107

- Provides good suspension of insoluble like cocoa powder and minerals.
- Facilitates emulsification, reducing tendency of fat or phase separation.
- Improves heat stability of milk proteins and prolong the shelf life of milk.
- Imparts creaminess and gives a full-bodied mouthfeel.



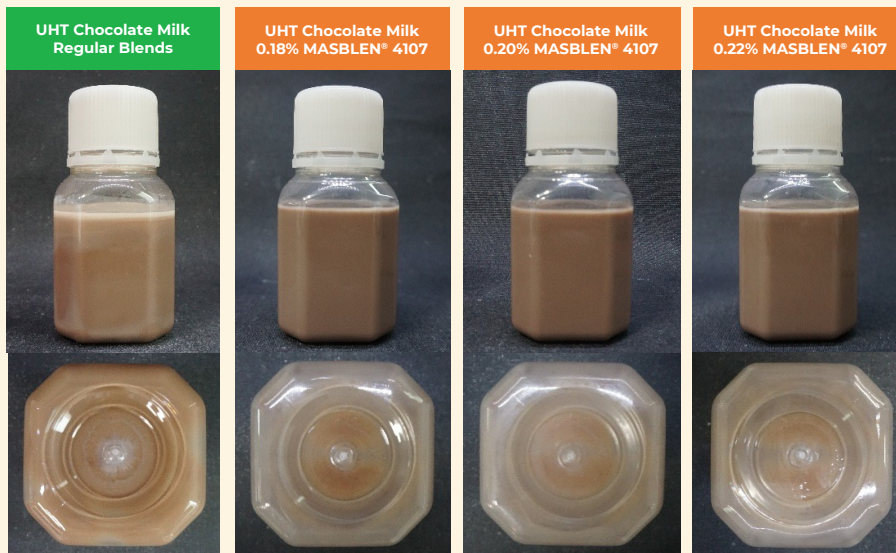
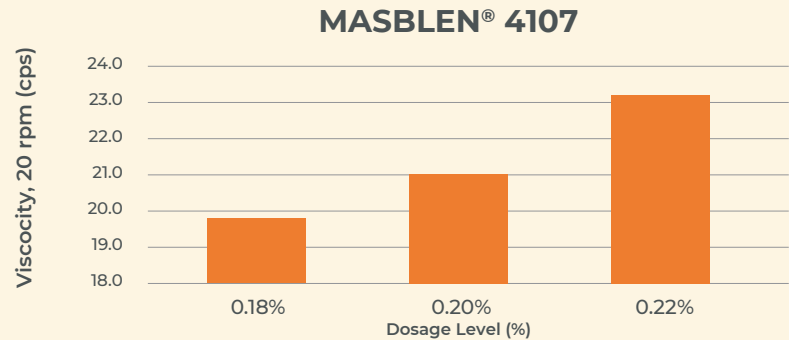


Outcome & Results

MASBLEN® 4107 efficiently enhances the viscosity of chocolate milk, providing excellent stability and suspension of insoluble particulates such as cocoa powder.

MASBLEN® 4107 also contributes to creaminess, giving rise to a smooth and chocolatey note when applied in UHT chocolate milk.

Higher dosage levels of MASBLEN® 4107 increase the viscosity of UHT chocolate milk, resulting in enhanced body and creaminess.

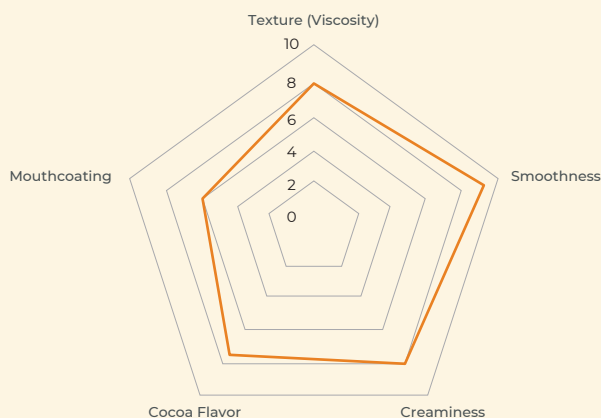


1 month storage at ~25°C.

Regular blends are seen with noticeable sedimentation at the base of the bottles and marbling due to uneven cocoa distribution.

MASBLEN® 4107 provides excellent suspension of insoluble particles, such as cocoa powder, helping maintain a uniform appearance throughout the chocolate milk's shelf life.

Sensory Attributes



The sensory attributes chart shows the impact of MASBLEN® 4107 in the perception of creaminess, thickness and chocolatey notes of UHT chocolate milk.

Disclaimer:

The information contained herein is to our best knowledge true and accurate, but all recommendations or suggestions are made without guarantee since we can neither anticipate or control the different conditions under which this information and our products are used.

