

QUALITY ENABLES.



The combination of **Nagardo**[®] natural guardian and **Velcorin**[®] cold fill technology protects the microbiological quality of highly sensitive beverages and enables them to be moved from chilled chain to ambient storage conditions.

X Nagardo[®] **X Velcorin**[®]

QUALITY WORKS.

LANXESS
Energizing Chemistry

PROTECTION OF HIGHLY SENSITIVE BEVERAGES AND ELIMINATION OF CHILLED CHAIN

Beverage manufacturers are always looking for more efficiency and improvements to their product portfolio. The microbial control agents **Nagardo**[®] natural guardian and **Velcorin**[®] cold fill technology help beverage manufacturers to protect their high product quality. Used in combination, they are powerful enough to move highly sensitive beverages from chilled chain to ambient logistic and storage conditions enabling greater efficiency and flexibility for customers and consumers.

Benefits of using **Nagardo**[®] and **Velcorin**[®] combined

- **Highly efficient** against common beverage spoilage organisms even in **ambient storage conditions**
- **No influence on color or taste**
- Perfect fit for **non-carbonated drinks** like **soft ciders, ready to drink teas** and **lemonades**
- **Compatible** and best in combination with short term heat treatment
- **Free of known allergens**
- **Kosher certified**

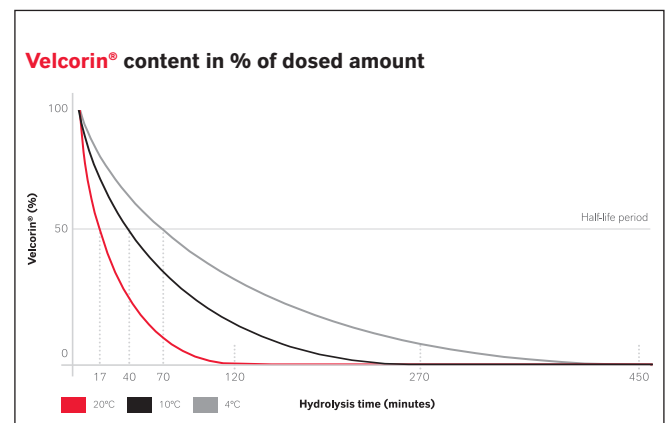


X **Nagardo**[®]

- **Nagardo**[®] is a pure mixture of natural glycolipids
- Derived from **edible mushroom** Sweet Osmanthus Ear
- **Consumer-friendly** labeling
- Persistent **natural antimicrobial** controlling **yeasts, molds** and **bacteria spoilage**

X **Velcorin**[®]

- **Velcorin**[®] (Dimethyl Dicarbonate) is active during the critical bottling process
- Added to the beverage as a liquid via the highly accurate **Velcorin**[®] **DT Touch** dosing technology
- Not present in the final beverage – **no labeling required**
- **Breaks down** into naturally occurring substances



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