

QUALITY GUARDS.



Beverage manufacturers tailor beverages to meet their customers' lifestyles – at LANXESS we tailor the corresponding beverage protection. **Nagardo**® is the natural guardian to secure and prolong the shelf life of your beverage. Safety enabled by nature.

X Nagardo®



QUALITY WORKS.

LANXESS
Energizing Chemistry

HIGH PRECISION APPLICATION OF NAGARDO® USING KTW HIGH-SPEED DOSING

Very efficient products often only require low dosages for the maximum effect. In certain beverage applications **Nagardo®** – the natural guardian for beverage quality only requires dosages of 2-5 ppm. The KTW High-speed Dosing System is perfectly suited for a precise dosing of **Nagardo®** into the individual bottles or cans.

Microbiological protection with Nagardo®

Nagardo® is a natural preservative providing microbiological protection for various beverages. It consists of glycolipids obtained by an edible mushroom. **Nagardo®** comes as a powder. Right before usage it is dissolved in water and added to the batch or syrup tank during the initial blending process or by inline dosing.

For clear beverages where a very low dosage of 2-5 ppm is required, e.g. near waters, tonic waters or clear carbonated soft drinks, a direct dosage of the **Nagardo®** stock solution into the bottles or cans immediately before or after filling is an innovative alternative.

Flexible high-speed dosing by KTW



The fully automated system in its food-grade edition is perfect for any purpose that requires fast discrete dosing of precise amounts of liquid media like flavors or functional components into other fluids, especially into moving containers. Customers benefit from fast product change overs without flavor carry over, enabling longer equipment availability for production.

Based on KTW Smart Valve Technology, the pre- and post-dosing system boasts exceptional precision and speed as well as quality records. It is modular, available as stand-alone version or as an integrated variety and can be integrated into new or existing filling equipment.



Nagardo® application via KTW High-speed Dosing System

Thanks to the modular configuration and the flexibility of the dosing system, beverage producers can take advantage of adding **Nagardo®** in parallel with other components. Long term testing showed a maximum deviation of <5%. The KTW High-speed Dosing System is a perfect solution for addition of **Nagardo®** in beverages with low dosage levels with unmatched precision.



For more information please visit:



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Note: Information contained in this publication is current as of August, 2023. Please contact LANXESS Deutschland GmbH respectively LANXESS Corporation to determine if this publication has been revised.

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