



KICK Carrageenan™ kettle finings are an effective way to improve flocculation and clarity in the kettle and throughout the rest of the brewing process. The active ingredient in KICK Carrageenan is kappa carrageenan, a high molecular weight polysaccharide derived from red seaweed. When added near the end of the boil, kappa carrageenan binds to haze-forming proteins and other small particles and flocculates rapidly, resulting in improved wort and beer clarity.

# KICK<sup>®</sup>

CARRAGEENAN

KETTLE FINING

## KICK Carrageenan G (Granular)



KICK Carrageenan G is composed of 100% granular carrageenan. It is produced at a larger particle size to encourage easier handling and addition. Add Kick Carrageenan G 20 minutes prior to the end of boil to fully activate the kappa carrageenan.

Water Viscosity @ 1.5% - 300-700 cps  
Color – Cream to Light Tan  
Particle Size – 90% through 10 Mesh  
Moisture – Less than 12%

## KICK Carrageenan T and Micro-T (Tablets)



KICK Carrageenan tablets are composed of highly refined kappa carrageenan. The tablet format provides a convenient delivery method that encourages rapid delivery of the active ingredient to the kettle. Kick Carrageenan tablets are manufactured using high quality materials, resulting in a product that is odorless and low-dust. Add KICK Carrageenan tablets 5 minutes prior to the end of boil.

Water Viscosity @ 5% - 10-60 cps  
Color – White  
Tablet Weight – (Kick-T 28-31g), (Kick Micro-T 0.8-1.1g)  
Moisture – Less than 5%



## Dosage Optimization

Typical dose rate: KICK Carrageenan G	10-60 ppm (1-6 g/hL)
KICK Carrageenan T	1 Tablet / 5 barrels
KICK Carrageenan Micro-T	1 Tablet / 5 gallons

Dose rates can vary based on beer style and recipe. A dose rate optimization trial should be conducted to determine the best dose rate for each brew.

For more information on how to conduct a dose rate optimization trial, please watch the YouTube video on Dose Rate Optimization.



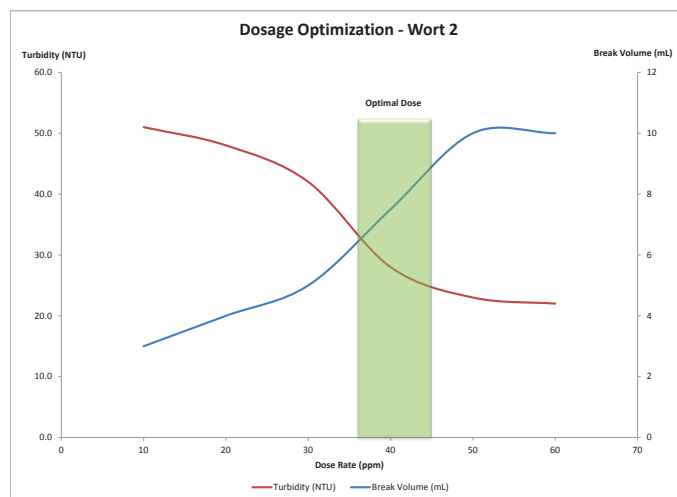
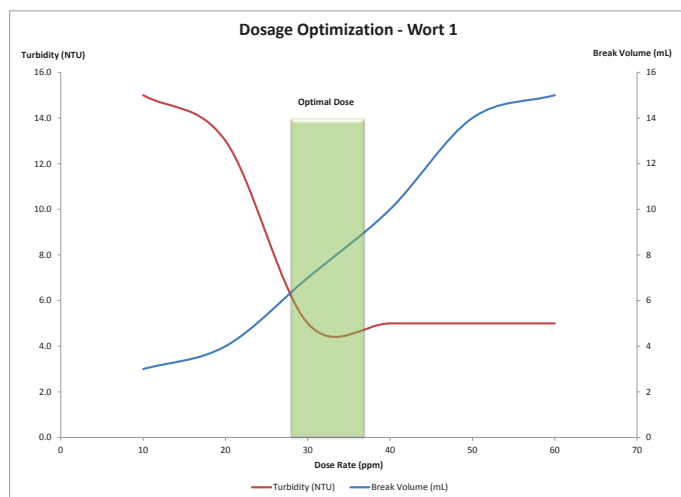
## Watch Dose Rate Optimization Trial





## Sample Dosage Optimization Trials

Sample results from dosage optimization trials are shown below. Optimal dosage is the point at which there is maximum clarity improvement without a significant amount of cold break volume.



## Shelf Life and Storage

The shelf life of KICK Carrageenan is two years when stored as recommended. To ensure maximum shelf life, store product in original, sealed packaging and protect from excessive heat, humidity and moisture, and direct sunlight. Since carrageenan is highly absorbent and reacts with moisture, exposure to humidity and moisture should be strictly avoided.

## Package Size

KICK Carrageenan G - 10 KG Box  
KICK Carrageenan T - 10 KG Box  
KICK Carrageenan Micro-T - 1 KG Box

*KICK Carrageenan is Kosher Parve certified, please contact Gusmer Enterprises for more information.*



**Important Note:** Gusmer Enterprises, Inc. provides this information to the best of our knowledge. This information does not claim to be complete and Gusmer Enterprises, Inc. cannot assume liability for improper use. All users are advised to test products to meet their specific needs.

