

Wort clarification with Kettlekleer G



PRODUCT INFO

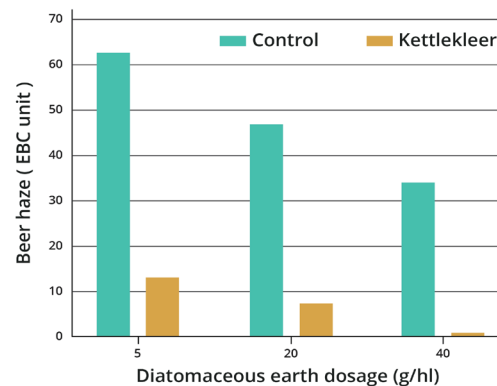
Kettlekleer is the easy-to-use, consistent kettle fining from Murphy & Son designed specifically for wort clarification in the brewery.

Kettlekleer dissolves into boiling wort and complexes with the undesirable protein fraction known as the cold break once the wort is cooled and in the fermenter. As it quickly settles out, it is kept out of the yeast and beer.

BENEFITS

- ➔ Improved fermentation
- ➔ Brighter wort and beer
- ➔ Cleaner, healthier yeast
- ➔ Faster filtration and centrifuge

Improvement in filtration with Kettlekleer



Trials show that the application of carrageenan requires less filter material to produce a brighter beer.

FASTER CLARIFICATION

Kettlekleer sediments out most of the protein in the fermenter. As the size of remaining particles is increased and their number is reduced, it is far easier to filter and centrifuge, saving time and money.

HEALTHY YEAST

Keep your pitching yeast pure and healthy by settling out the cold break in the bottom of the cone before harvesting.



Control vs. 25ppm after 3 hours shows application of Murphy's Kettle Finings greatly increases sedimentation of cold break in wort.

HOW DOES IT WORK?

Kettlekleer contains large, negatively charged molecules called kappa-carrageenan which bind to the positively charged protein in the cold break as it forms. As large molecules fall faster in liquids, the rate of sedimentation is greatly increased. It is only added to boiling wort to help it dissolve. The action of Kettlekleer happens in the cold wort during the early stages of fermentation.

If this is your first time using Kettlekleer, contact us about performing a brewery trial.

PACKAGE SIZE

2 kg: 500–1000 bbl

20 kg: 2500–5000 bbl



**Available in the
U.S. and Canada**

APPLICATION

How much to add

2.5–5 grams per barrel (U.S.)

When to use

Added to boiling wort in kettle, 10–15 minutes from end of boil

Activity range

pH: 5.0–5.6

temperature: <70°F

STORAGE

Temperature

34–100°F

Do not allow to freeze.

Location

Cool, sealed, and away from sunlight

Shelf life

At the recommended storage temperature, 24 months from the date of manufacture

TECHNICAL SUPPORT

Health and Safety Information

Safety Datasheet (SDS) available online at murphyandson.co.uk/sds

Technical Datasheet

Printer-friendly Technical Datasheet available at murphyandson.co.uk/datasheets-sds

Compliance

For information on Kosher, Halal, GMO, etc. email compliance@murphyandson.co.uk

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