

# KoppaFloc® Granules

## Kettle Finings

A semi-refined seaweed extract used in the brewing industry as a specific flocculent for the charged particles of wort which form the hot and cold breaks. The active constituent, carrageenan (a sulphated galactose polysaccharide) is extracted from members of the “Red Seaweed” *Eucheuma* class.

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### Description:

**KoppaFloc® Granules** enhances quick floc formation through addition to the kettle in the brewing process improving hot and cold wort clarity, tight trubs and compact bottoms.

**KoppaFloc® Granules** is a form of seaweed consisting mostly (>70% w/w) of a complex starchy polymer called K-carrageenan. K-carrageenan like polyphenols, has a negative charge and is effective in precipitating positively charged proteins from the wort solution. The removal of protein which would otherwise contribute to haze in packaging, improves the colloidal stability of the beer.

### KoppaFloc® Granules

For ease of handling, and minimization of dust and increase in performance efficiency, KoppaFloc® is offered in a granulated form.

**Characteristics** *available on request*

### Benefits:

When used correctly KoppaFloc® Granules can significantly improve beer clarity and can be added directly to the kettle 10 minutes before the boil. No additional equipment is necessary.

- Accelerates precipitation and flocculation of protein.
- Improves wort and beer clarity.
- Improves wort recovery.
- Easy to disperse in hot wort.
- Minimizes production time by speeding up boiling and fermentation.
- Decreases production cost by minimizing the use of filter aids.

### Dosage:

There is no typical or usual dose rate for using KoppaFloc® Granules, dose rates can range between 15 - 75 ppm as an indicator only, and many factors in the brewing process contribute to the success of achieving KFG efficacy. Laboratory scale trials are recommended to establish optimum dose rates based on performance in different wort types.

### Regulatory:

**KoppaFloc® Granules** meets the requirements of the Australia New Zealand Food Standards Code and product specifications conform to EU Directive 2004/45/EC

### Shelf Life and Storage:

**KoppaFloc® Granules** offers 2 years shelf life when stored in a cool and dry place in original packaging.



### Technical Services

Zymus International Limited welcomes the opportunity to work with customers offering technical services with the use of our products in application development and optimisation.

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