



## PRODUCT SPECIFICATION

Kerry Group Business Services (ASPAC) Sdn. Bhd, 26th Floor, Menara Zurich, No 15 Jalan Abdullah Tahir, 80300 Johor Bahru, Malaysia.  
Tel: +607 340 9400. Fax: +607 340 9749

### PRODUCT DETAILS

Kerry Material Code: 20546287

Legacy Part Code: 5H01052

Product Name **WHIRLFLOC G 20KG**

Product Description An extract of red seaweed specifically formulated to coagulate unstable proteins in brewery worts. It is produced as a granular dust free product.

Appearance : Pale brown granules.

### INGREDIENT DECLARATION

Processed Eucheuma Seaweed (E407a)

### RECOMMENDED LABELLING DECLARATION

Semi Refined Carrageenan (E407a)

### DIRECTIONS FOR USE

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This product is used as a processing aid in the manufacturing and production of beer.

Add directly into the kettle, ideally 10 minutes before the end of the boiling period. If boiling is stopped to perform the addition (for safety considerations) it should be recommended immediately and allowed to proceed for the normal period.

It is useful to routinely collect a small sample of each wort after cooling and check/record clarity. This enables the effect of changes in raw materials e.g. malt, to be monitored.

It is recommended that a fining trial is performed to determine optimum dose rate.

### Dispersion

To disperse the product without lumps, premix the powder with other dry ingredients and pour the preparation into the liquid while stirring. Continue stirring to obtain a complete dispersion.

### Dissolution

This dissolution of the product depends on the medium and the process. It is improved by heat (time, temperature), shear-stress (homogenizer, mixer). This dissolution of the product depends on the medium and the process. It is improved by heat (time, temperature), sheer-stress (homogenizer, mixer).

### KEY PERFORMANCE PARAMETERS

Test		Units	Method
pH	8.5 - 10.5		Kerry Internal Method
Viscosity	5	Minimum cps	
Moisture	12	Maximum %	Kerry Internal Method

### MICROBIOLOGICAL DATA

TEST		METHOD
E.coli in 5g	Not Detected	FDA-BAM (Online) Chapter 4
Salmonella spp. in 25g	Not Detected	FDA-BAM (Online) Chapter 5
Standard Plate Count	<5000 cfu/g	FDA-BAM (Online) Chapter 3
Yeasts & Moulds	<100 cfu/g	FDA-BAM (Online) Chapter 18

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### NUTRITION INFORMATION (Theoretical)

Nutrient	Typical Value	Unit	Comments
Energy in kJ	809.26	kJ/100g	
Protein (N x 6.25)	0.92	g/100g	
Total Fat	0.00	g/100g	
Saturated Fat	0.00	g/100g	
Carbohydrates	16.05	g/100g	
Carbohydrates as Sugars	0.00	g/100g	
Dietary Fibre	65.11	g/100g	
Sodium	459.48	mg/100g	

Nutritional information provided has been calculated from information obtained from raw material suppliers' specifications and food composition tables. Carbohydrates are calculated by difference.

### SUITABILITY DATA

Suitable for Ovo-Lacto Vegetarians	YES
Suitable for Vegans	YES
Kosher Certified	YES
Halal Certified	YES

### GENETICALLY MODIFIED MATERIALS

Does this product require labelling as genetically modified according to Australia and New Zealand Food Standard Code, Standard 1.5.2? NO

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### MANDATORY ALLERGEN/INTOLERANCE DATA

#### Does the product contain ...?

Cereals containing Gluten and their products	NO
Fish and Fish products	NO
Crustacea and their products	NO
Milk and Milk products	NO
Egg and Egg products	NO
Peanuts and their products	NO
Tree Nuts and their products	NO
Sesame Seeds and their products	NO
Soybeans and their products	NO
Sulphites in concentration of 10ppm or more	NO

All Kerry manufacturing facilities and standard operating procedures have been designed to minimise allergenic residue carry over between products, and all procedures are auditable. Due to the nature of our business we do carry allergenic raw materials, as a result we are not able to give any absolute guarantees to the total absence of trace residues. Our continuous improvement plans, product design and validation programs focus on taking all commercially viable steps possible to ensure this is minimised.

### COUNTRY OF ORIGIN

Product of the Philippines

### SHELF-LIFE & STORAGE

24 months from the date of manufacture when stored unopened, in a clean, dry location. The Best Before Date is declared in open code on the label or on packaging.

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### PACKAGING

Pack Size (Net)	20 kg
Pack Type Outer	Polyethylene Enclosed In Box

### LEGISLATION & WARRANTY STATEMENT

The product is produced and packaged in accordance with the current relevant local or other country of sales regulatory and food safety requirements or following International Food Regulations. The compliance information is based on product formulation, the raw material data provided by our approved suppliers and the factory of manufacture at the date of issue of this specification. It is the responsibility of the user to ensure this information is adequate and complete with respect to the specific use intended for the product application. Imported country regulations should be adhered to for the intended specific application and declaration as legislation may vary from country to country.

### AUTHORISATION



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