



PRODUCT SPECIFICATION

PRODUCT DETAILS

Product Name Whirlfloc T (25Kg BOX)
Kerry Code SAP: 20267876
Legacy:5B00573

INGREDIENT LISTING

Carageenan, E355, E500(ii), E500(i), E553(b), E551, E570.

RECOMMENDED DECLARATION

Carageenan

USAGE / APPLICATION INFORMATION

WHIRLFLOC T OPTIMISATION

- 1) Take about 4 **Whirlfloc T** tablets and crush in mortar and pestle. Prepare solution by dissolving 1.5gms of crushed tablets in 1 litre warm (40-80°C) water. Note: **Whirlfloc T** does not fully dissolve, this method is sufficient to extract the active components into solution.
- 2) Dose 300 ml clear glass bottles: 0, 2, 3, 4, 5, 6, 7, 8, 10, 12, 16, 20 mls.
(1 ml per 300 ml = 5 mg/litre).
- 3) Draw wort near to the end of kettle boil period.
- 4) Immediately add 300 mls wort to each of the predosed bottles.
- 5) Allow to stand for 30 minutes.
- 6) Observe clarity of wort and compactness of sediment throughout the range of treatment rates.
- 7) Cool down either by leaving overnight, or immediately in cold water.
- 9) Allow the cold wort to clarify.
- 10) Observe wort clarity and sediment compaction/volume.

INTERPRETATION

Optimum treatment is achieved when the resulting wort is clear with compact cold break sediment. Typical treatment rates are 25 - 50 mg/litre. However if the wort pH is found to be low (less than pH 5.0) dose rates of up to 120 mg/litre have been found necessary.

APPLICATION

Whirlfloc T tablets are added directly into the kettle, ideally 10 minutes before the end of the boiling period. It is useful to routinely collect a small sample of each treated wort after cooling and check/record clarity. This enables the effect of changes in raw materials e.g. malt, to be monitored.

KEY PERFORMANCE PARAMETERS

Test	Min	Target	Max	Units
Wort Fining		Pass		



Kerry Ingredients & Flavours (Cork)
Kilnagleary,
Carrigaline,
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Ireland.

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MICROBIOLOGICAL DATA

(typical values only)

Test	Typical Value
TVC	<5000/g
TE	<100/g
Yeast & Moulds	<100/g
Salmonella	Absent in 10g
E Coli	Absent in 5g

Kerry Code: 20267876
Spec. Version:01

Issue date: 18/02/14
Revision date: 18/02/14



ALLERGEN DATA				
Allergen	Requires Labelling? Yes/No	Source	Present On Line? Yes/No	Present On Site? Yes/No
Peanuts and products thereof	NO		NO	NO
Nuts (other than peanuts) and products thereof ¹	NO		NO	NO
Cereals containing gluten (<i>calculated content</i>)	NO		NO	NO
Crustaceans and products thereof	NO		NO	NO
Egg and products thereof	NO		YES	YES
Fish and products thereof	NO		NO	NO
Soybeans and products thereof	NO		NO	NO
Milk and products thereof (including lactose)	NO		NO	NO
Celery and products thereof	NO		NO	NO
Mustard and products thereof	NO		NO	NO
Sesame Seeds and products thereof	NO		NO	NO
Molluscs and products thereof	NO		NO	NO
Lupin and products thereof	NO		NO	NO
Sulphur Dioxide/Sulphites > 10ppm	NO		YES	YES

Note: All reasonable precautions that could be expected of a responsible manufacturer have been taken to prevent cross contamination in the raw materials used and in the manufacturing process.

Conforms to EU Directive 2003/89/CE as amended.

¹ Nut allergens: Almond (*Amygdalus communis* L.), Hazelnut (*Corylus avellana*), Walnut (*Juglans regia*), Cashew (*Anacardium occidentale*), Pecan nut (*Carya illinoensis* (Wangenh, K. Koch), Brazil nut (*Bertholletia excelsa*), Pistachio nut (*Pistacia vera*), Macadamia nut and Queensland nut (*Macadamia ternifolia*) and products thereof



SUITABILITY DATA

	Yes = Suitable, No = Unsuitable	Comment
Vegetarian (Ova-Lacto)	Yes	
Vegan	Yes	
Coeliac <100ppm gluten (by calculation)	Yes	
Coeliac <20ppm gluten (by calculation)	Yes	
	Certified / Not Certified	Comment
Kosher	Certified	
Halal	Certified	
Organic	Not Certified	

NUTRITION INFORMATION

Nutrient	Typical Value	Unit
Energy in kJ	1577	KJ/100g
Energy in Kcal	377	Kcal/100g
Total Carbohydrates	40	%
Total Fat	<1	%
Protein (N X 6.25)	<1	%

Data Source Calculated from raw material data. Values quoted should be used for guidance purposes only.

PROCESS SUMMARY

Kerry implemented and maintains hygiene procedures based on HACCP principles. The production site is ISO 9001, ISO 14001 and BRC accredited

RECOMMENDED SHELF-LIFE & STORAGE

Storage Conditions: Store in cool, dry conditions (5°C - 20°C).
Shelf-Life (Closed Pack): 24 months

PACKAGING

Pack Size (Net): 25KG
Number of packs per pallet: 40
Pack Type Inner: MDPE Polyliner
Pack Type Outer: cardboard box
Pallet Type: Standard

LABELLING

As per standard packaging



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HEALTH & SAFETY DATA

As per SDS

LEGISLATION & WARRANTY STATEMENT

The product will be manufactured and packaged in accordance with all current, relevant EU legislation. The information stated is provided in good faith. It is based upon the product formulation, the data provided by our raw material 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 appropriate and complete with respect to the specific use intended for the product. Local national regulations should be consulted for the intended specific application and declaration as legislation may vary from country to country,

CONFIDENTIALITY

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