

Application Data Sheet

Copper Chlorophyllin G



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Description: 5% Copper Chlorophyllin G is a dark green slightly viscous liquid consisting of sodium copper chlorophyllin powder dissolved in alkaline water and stabilised in glycerol. Sodium copper chlorophyllin powder is prepared by saponifying the purified solvent extract of plant material (chlorophyll) to obtain chlorophyllins, replacing the magnesium ion with copper, and neutralising the acid groups to obtain the sodium salt.

Use: Copper chlorophyllin G solution is suitable for use in the dairy, beverage and bakery industry and a variety of other food products. 5% Copper chlorophyllin G is completely soluble in water.

Difference in colour with concentration and media variations

Colourant*	102 ppm	203 ppm	508 ppm	1016 ppm	2033 ppm
Active**	5 ppm	10 ppm	25 ppm	50 ppm	100 ppm

Water



Milk



Difference in colour with concentration and media variations					
Colourant*	102 ppm	203 ppm	508 ppm	1016 ppm	2033 ppm
Active**	5 ppm	10 ppm	25 ppm	50 ppm	100 ppm
Yogurt					

*Based on an average colour strength of 4.92% **Active pigment dosage concentration.