

Application Data Sheet

Red Cabbage Powder



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Description: Red cabbage powder is a dark purple-red powdered colourant. The pigment, anthocyanins, is extracted from the leaves of the red cabbage plant (*Brassica oleracea var. capitata f. rubra*). Anthocyanins are water-soluble pigments, displaying a range of colours from red to blue to green depending on the acidity or alkalinity of the environment.

Use: Red cabbage powder is suitable for use a suitable for use in the food industry as a colourant.

Difference in colour with concentration and media variations

Colourant *	89 ppm	178 ppm	445 ppm	889 ppm	1779 ppm
Active**	5 ppm	10 ppm	25 ppm	50 ppm	100 ppm

WATER
pH = 7.15



SUGAR SYRUP
pH = 2.27



Difference in colour with concentration and media variations

Colourant*	889 ppm	1779 ppm	4447 ppm	8893 ppm	17787 ppm
Active**	50 ppm	100 ppm	250 ppm	500 ppm	1000 ppm

MILK
pH = 6.65



YOGURT
pH = 4.25



*Based on an average colour strength of 5.62 %. **Active pigment dosage concentration.