



NATURAL FOOD COLOURS FOR ICE CREAM

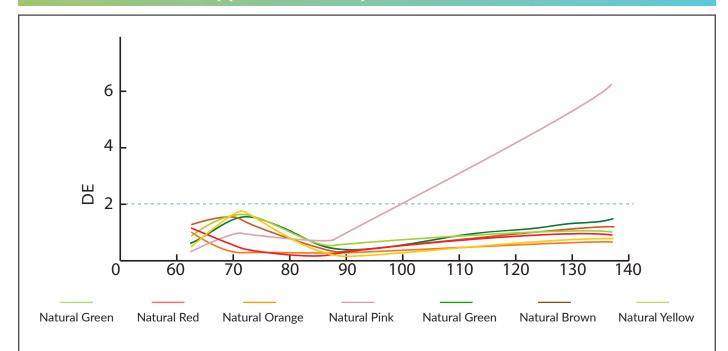


When it comes to food, appearances make a big difference, especially for ice-creams. At Arjuna, we understand this, but also that food that appears colourful also needs to be healthy and safe, the reason why we have introduced a whole new range of natural food colours for ice creams and frozen desserts. Be assured of our GRAS (Generally Recognised As Safe), clean labelled natural colour product range that brings in the goodness of health benefits from clinically tested botanicals.

Key Benefits

- Heat Stable
- Soluble in Water
- No Impact on texture
- No Sensory Variations and settling

Pasteurisation - Application Study



Temperature

1= Regular pateurisation @62.8°C for 30 minutes	2 = HTST (High-Temperature Short Time) @ 71°C for 14 sec
3= HHST (Higher Heat Short Time) @ 88°C for 1 Sec	4 = Contineous ultra pateurisation @ 138°C for 2 Sec

All the measurements are done with X-rite Colour-i5 colourimeter. configured in all rellectance mode and on CIEL *a * b protocol. The measured value is the absolute spectral difference. The human visual perceptionlimit is regarded as a delta E value of 5.





NATURAL GREEN

PRODUCT CODE	AAC101	PRODUCT FORM - LIQUID
L*a*b* VALUES	36.31, -22.71, 51.93	75.23, -17.92, 35.31
DOSAGE	500PPM	1000PPM
INGREDIENTS	SODIUM COPPER CHLOROPHYLL, TURMERIC EXTRACT	

PRODUCT CODE	AGC151	PRODUCT FORM - LIQUID
L*a*b* VALUES	72.36, -14.45, 15.97	70.03, -13.67, 13.04
DOSAGE	500PPM	1000PPM
INGREDIENTS	SODIUM COPPER CHLOROPHYLL	

NATURAL BROWN

PRODUCT CODE	ABC101	PRODUCT FORM - LIQUID
L*a*b* VALUES	58.85, 6.11, 40.51	40.63, 6.03, 33.41
DOSAGE	1000PPM	1500PPM
INGREDIENTS	PAPRIKA EXTRACT, SODIL	JM COPPER CHLOROPHYLL

NATURAL ORANGE

PRODUCT CODE	AOC101	PRODUCT FORM - LIQUID
L*a*b* VALUES	79.23, <mark>8.54, 62.26</mark>	76.47, 12.27 , 63.76
DOSAGE	500PPM	1000PPM
INGREDIENTS	PAPRIKA EXTRACT,	TURMERIC EXTRACT

PRODUCT CODE	AOP701	PRODUCT FORM - LIQUID
L*a*b* VALUES	70.33, <mark>25.56, 54.69</mark>	70.78, 32.7, 60.73
DOSAGE	500PPM	1000PPM
INGREDIENTS	INGREDIENTS PAPRIKA EXTR	

NATURAL PINK

PRODUCT CODE	APB101	PRODUCT FORM - LIQUID
L*a*b* VALUES	79.88, 12.25 , 4.2	70.55, <mark>16.18, 2.69</mark>
DOSAGE	1000PPM	1500PPM
INGREDIENTS	BEET ROOT EXTRACT	

NATURAL PURPLE

PRODUCT CODE	APA 102	PRODUCT FORM - POWDER
L*a*b* VALUES	75.25, <mark>6.24, -0.92</mark>	69.53, <mark>8.17, -3.67</mark>
DOSAGE	1000PPM	1500PPM
INGREDIENTS	BLACK CARROT EXTRACT	



PRODUCT CODE	ARM103	PRODUCT FORM - POWDER
L*a*b* VALUES	42.47, <mark>36.77, 18.63</mark>	37.56, 43.29 , 23.14
DOSAGE	1000PPM	1500PPM
INGREDIENTS	CAROTENOIDS AND BEET ROOT EXTRACT, FERMENTED RICE EXTRACT	

NATURL YELLOW

PRODUCT CODE	AYT051	PRODUCT FORM - LIQUID
L*a*b* VALUES	91.64, -15.5, 47.86	83.1, -15.17, 55.43
DOSAGE	500PPM	1000PPM
INGREDIENTS	TURMERIC EXTRACT	

PRODUCT CODE	AYT101	PRODUCT FORM - LIQUID
L*a*b* VALUES	78.6, -12.86, 50.75	84.38, -12.42, 63.53
DOSAGE	500PPM	1000PPM
INGREDIENTS	TURMERIC EXTRACT	



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