

PROPERTIES of 'NATURAL' FOOD COLOR POWDERS

Color Additives which are Exempt from Batch Certification that are Approved by the FDA for Use in Foods

PRODUCT CODE	PRODUCT NAME	E #	SHADE	pH OF FINISHED PRODUCT	LIGHT STABILITY	HEAT STABILITY	MINIMUM SHELF LIFE	STORAGE TEMPERATURE
FOR USE IN WATER BASED SYSTEMS								
NP ANNA	ANNATTO POWDER	E160b	Yellow/Orange	4.0 - 7.0	Good	Good	6 months	≤ 40° F
NP BEET J	BEET JUICE POWDER	E162	Pink/Red	2.5 - 9.0	Fair	Fair	12 months	< 80° F
NP BEET	BEET POWDER	E162	Pink/Red	2.5 - 9.0	Fair	Fair	12 months	< 80° F
NP BETA	BETA CAROTENE POWDER	E160a	Yellow/Orange	2.5 - 9.0	Good	Good	24 months	< 59° F
NP BCAR	BLACK CARROT POWDER	E163	Dark Red	< 3.5	Good	Good	24 months	< 77° F & 70% r.h.
NP CARA/CARA-DS	CARAMEL POWDER	E150 a/d	Dark Brown	2.5 - 9.0	Good	Good	36 months	< 90° F
NP CARM-RWS	CARMINE - WS POWDER - RED	E120	Red	2.5 - 9.0	Very Good	Excellent	12 months	46 - 59° F
NP CARM-P	CARMINE - WS POWDER - PURPLE	E120	Purple/Burgundy	3.0 - 8.0	Very Good	Excellent	24 months	46 - 59° F
NP WSCURC2	CURCUMIN (TURMERIC) 2 WS POWDER	E100	Yellow	2.5 - 9.0	Good	Good	24 months	Cool & Dark
NP PSP	PURPLE SWEET POTATO POWDER	E163	Pink/Red	< 3.5	Good	Good	24 months	41 - 50° F
NP PAPR	PAPRIKA POWDER	E160c	Orange	2.5 - 9.0	Good	Good	12 months	Cool & Dark
NP RCAB2	RED CABBAGE 2 POWDER - RED	E163	Red	≤ 3.5	Good	Good	18 months	41 - 50° F
NP BSVC/BSRC	BLUE SHADE VEGETABLE JUICE COLOR	E163	Blue	6.0 - 8.0	Good	Good	6 - 12 months	41 - 50° F
NP RRAD	RED RADISH EXTRACT POWDER	E163	Red	< 3.5	Good	Good	24 months	41 - 50° F
NP SPIR-B	SPIRULINA POWDER - BLUE	N/A	Blue	3.5 - 8.0	Fair	Good	6 months	< 53° F
NP SPIR-G	SPIRULINA POWDER - GREEN	N/A	Green	3.5 - 8.0	Fair	Good	2 years	41 - 50° F
TIO2	TITANIUM DIOXIDE POWDER	E171	White	2.0 - 9.0	Excellent	Excellent	36 months	Ambient
FOR USE IN OIL/FAT BASED SYSTEMS								
NP CARM-R	CARMINE LAKE POWDER - RED	E120	Red	2.5 - 9.0	Very Good	Excellent	24 months	46 - 59° F
NP CARM-RY	CARMINE LAKE POWDER - RY	E120	Yellowish-Red	2.5 - 9.0	Very Good	Excellent	24 months	46 - 59° F
NP CARM-RR	CARMINE LAKE POWDER - RR	E120	Bright Red	2.5 - 9.0	Very Good	Excellent	24 months	46 - 59° F
NP CARM-PL	CARMINE LAKE POWDER - PURPLE	E120	Purple	3.0 - 8.0	Very Good	Excellent	12 months	46 - 59° F
NP CURC	CURCUMIN (TURMERIC) 95% POWDER	E100	Yellow	4.0 - 7.0	Good	Good	12 months	≤ 77° F & 70% r.h.
NP BLPG	NATURAL BLUE SHADE PIGMENT	E163	Blue	≥ 6.0	Good	Good	6 months	41 - 50° F
NP RDPG	NATURAL RED SHADE PIGMENT	E162	Pink/Red	2.5 - 9.0	Fair	Fair	6 months	< 80° F
NP ORPG	NATURAL ORANGE SHADE PIGMENT	E160b	Orange	4.0 - 7.0	Good	Good	6 months	≤ 40° F
TIO2	TITANIUM DIOXIDE POWDER	E171	White	2.0 - 9.0	Excellent	Excellent	36 months	Ambient

← This chart provides general guidelines with regards to the 'Natural' Powders listed. It is recommended that the colorants be tested in your products to determine suitability and stability ←

← In general, to maximize the shelf life of 'Natural' Powders, they should be stored in tightly sealed, opaque containers under cool, dark and dry conditions ←

← Note: 'Natural' Products, by their nature, are subject to lot-to-lot variations in shade ←

← ALL 'NATURAL' POWDERS ARE AVAILABLE IN LIQUID, PASTE OR CUSTOM POWDER BLEND FORMATS ←

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