

PROPERTIES of 'NATURAL' COSMETIC COLORS & INGREDIENTS

PRODUCT CODE	PRODUCT NAME	E #	SHADE	pH OF FINISHED PRODUCT	LIGHT STABILITY	HEAT STABILITY	MINIMUM SHELF LIFE	STORAGE TEMPERATURE	ORGANIC STATUS
FOR USE IN WATER BASED SYSTEMS									
NP ANNA	ANNATTO POWDER *	E160b	Yellow/Orange	4.0 - 7.0	Good	Good	6 months	≤ 40° F	Organic Available
NP BEET J	BEET JUICE POWDER	E162	Pink/Red	2.5 - 9.0	Fair	Fair	18 months	< 80° F	Organic Available
NP BEET	BEET POWDER	E162	Pink/Red	2.5 - 9.0	Fair	Fair	18 months	< 80° F	
NP BETA	BETA CAROTENE *	E160a	Yellow/Orange	2.5 - 9.0	Good	Good	24 months	< 59° F	
NP BETA-2	BETA CAROTENE #2 *	E160a	Yellow/Orange	2.5 - 9.0	Good	Good	24 months	< 59° F	Organic Compliant
NP BCAR	BLACK CARROT POWDER	E163	Dark Red	≤ 3.5	Good	Good	24 months	≤ 77° F & 70% r.h.	Organic Compliant
NP CARA	CARAMEL POWDER (Class I) *	E150 a	Brown	2.5 - 9.0	Good	Good	24 months	< 90° F	Organic Available
NP CARA-DS	CARAMEL POWDER - DS (Class IV) *	E150 d	Dark Brown	2.5 - 9.0	Good	Good	36 months	< 90° F	Organic Available
NP CARM-RWS	CARMINE - WS POWDER - RED *	E120	Red	2.5 - 9.0	Very Good	Excellent	24 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	Organic Compliant
NP GJP-R	GRAPE JUICE POWDER 'R'	E163	Purple/Burgundy	2.5 - 4.0	Good	Good	36 months	41 - 50°F	Organic Compliant
NP PSP	PURPLE SWEET POTATO POWDER	E163	Pink/Red	≤ 3.5	Good	Good	12 months	41 - 50°F	Organic Compliant
NP PAPR	PAPRIKA POWDER	E160c	Orange	2.5 - 9.0	Good	Good	12 months	Cool & Dark	Organic Compliant
NP RCAB2	RED CABBAGE 2 POWDER - RED	E163	Red	≤ 3.5	Good	Good	24 months	41 - 50°F	Organic Compliant
NP BSVC/BSRC	BLUE SHADE VEGETABLE JUICE COLOR	E163	Blue	6.0 - 8.0	Good	Good	12 months	41 - 50° F	Organic Compliant
NP RRAD	RED RADISH EXTRACT POWDER	E163	Red	≤ 3.5	Good	Good	24 months	41 - 50° F	Organic Compliant
NP SPIR-B	SPIRULINA POWDER - BLUE	N/A	Blue	3.5 - 8.0	Fair	Good	12 months	< 53° F	
CO SPIR-G	SPIRULINA POWDER - GREEN (ORGANIC)	N/A	Green	3.5 - 8.0	Fair	Good	24 months	41 - 50° F	Certified Organic
TIO2	TITANIUM DIOXIDE POWDER *	E171	White	2.0 - 9.0	Excellent	Excellent	60 months	Ambient	
FOR USE IN OIL 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.	Compliant
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	60 months	Ambient	

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

◆ Organic versions of the Natural Powders listed are available where indicated as well as additional Organic Colors and Ingredients ◆

◆ Asterisk ' * ' indicates FDA Approved Natural Cosmetic Colors under 21 CFR Part 73 Subpart C ◆

◆ **NATURAL COLORS & INGREDIENTS ARE AVAILABLE IN POWDER, POWDER BLEND, DISPERSION AND PASTE FORMATS** ◆



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