

# Cosmetic Dyes



22155-IN COLORS Pige Du Pigment dispersions, Pearls Surface treatments applied on

As a primary manufacturer of certified dyes and pigments and enjoying the successful globally compliant colors, specialty blending, surface treatments, specialty milling and pigments dispersions to satisfy your most demanding individual require-

### Sensient Cosmetic Technologies

is committed to developing, producing and marketing quality ingredients and colorants to the cosmetics industry. At our global production facilities, we manufacture the finest colorants and functional cosmetic inaredients for Make-up, Skin care, Hair care, Personal hygiene, Oral care, Fragrance.

# EXPERTISE IN COL

### Consistent quality

All manufactured batches undergo rigorous testing to guarantee consistency, purity and reliability, to ensure our products meet our customers' strict demands.

### Regulatory support

With our knowledge of cosmetic ingredient regulations, use limits and labelling requirements, we assist customers with manufacturing and product development needs.

### Technical expertise and Application Laboratories

Our well-equipped technical service laboratories are staffed by experienced cosmetic technologists available to assist you in all technical needs.

We promise efficient, accurate and innovative solutions to your most pressing development questions.

### Customer service

Our customer department provides fast and courteous responses to pricing, availability and order tracking. We constantly stand by our customers' side with :

- Innovation
- Technical expertise
- Formulation development

Contact our sales team to enjoy our innovations and high performance products.

For more details about the products or technical support, please contact our sales department France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-

# Cosmetic dyes

### As the world's leading manufacturer of high quality colors, Sensient offers an extensive range of natural and synthetic colors around the world.

### Synthetic dyes

Sensient Cosmetic Technologies has a complete range of synthetic colors manufactured to the highest standards for the cosmetic market. They include FD&C, D&C and Ext. D&C dyes but also EC food dyes in powder form.

Thanks to the undisputed leadership of Sensient group in synthetic colors, our products are designed to unlock valuable opportunities, provide optimum performance and present superior solutions for cosmetic formulations.

The product ranges, Unicert-I, Dyes-C, Phat and EC food dyes, contain synthetic water-soluble and oil- soluble colors conforming to cosmetic color regulations.

### Natural dyes

Sensient Cosmetic Technologies presents Natpure Col, an extensive range of specialty natural dyes from vegetal renewable sources. All the products meet purity criteria and characteristics set by the Food Regulation 231/2012/EC. Combining the expertise and application know-how in natural colors, Sensient offers superior products with respect to stability, quality and safety.

### Association with color protectors :

We recommend the use of color protectors from Covabsorb range, three proprietary blends of organic UV absorbers with anti-oxidant properties to overcome frequent light stability problems occuring in formulation. Covabsorb (oil soluble) is broadly used in perfume and skin care, Covabsorb DS is the perfect solution for shampoo, shower gel, serum, gel and mouth wash (all water based formulations with a pH bellow 6,6) whereas Covabsorb EW (water soluble) will be prefered for liquid soaps. cleanser, serum and gel (all water based formulations with a pH higher than 6.6).

### Unicert-J for a global compliance

Unicert-J range is the first generation of colors in compliance with European, American, Japanese and Chinese cosmetic regulations. These dyes are manufactured internationally by Sensient Technologies in Mexico, Europe and the USA. A sample from every manufactured batch is submitted to the Color Certification Branch of the FDA who certifies the compliance with the defined specifications. UNICERT-J batches are then specially selected for their additional compliance with the European Cosmetic Regulation 1223/2009/EU (Food Regulation 231/2012/EU for the food grades) while also conforming to the specifications given by the Japanese and Chinese regulations. To insure regulatory compliance, Sensient Cosmetic Technologies performs supplementary analyses and controls, not imposed by the FDA, but specified in the mentioned cosmetic regulations.

The group of products presented in this brochure will enable the user to obtain the best possible results from the standpoint of tints and general suggested use. However, we would recommend that users of our products carry out all necessary tests to determine their suitability for use in a given formulation.

For more details about the products or technical support, please contact our sales department France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com



### Regulation

Our products meet the requirements of one or more of the following regulatory standards :

#### Europe

European Cosmetic Regulation 1223/2009/EU (including amendments), Annex IV.

#### USA

CFR - Code of Federal Regulations Title 21

#### lapan

Ministry of Health, Labor and Welfare Ordinance No. 126 of July 29, 2003

#### China

Hygienic Standard for Cosmetics, July 2007





# Unicert<sup>®</sup>-J (Global dyes)

# Unicert<sup>®</sup>-J (Global dyes) & Dyes-C

- Globally approved synthetic dyes
- First generation of colors in compliance with European, American, Japanese and Chinese cosmetic regulations.
- Water-soluble, oil-soluble grade and bromo acids.

### Water Soluble dyes

		Main color labelling Europe / China - USA - Japan	Color Regulations					Light	
Shade	Product name		Europe	USA	Japan	China	Appearance	Fastness	
	UNICERT YELLOW 08005-J	Cl 19140 Yellow 5 Ki 4 [Yellow 4]	PT/BP 1 E102	M/EA	I	PT/BP 1	P-WS	Good	
	UNICERT YELLOW 08006-J	Cl 15985 Yellow 6 Ki 5 [Yellow 5]	PT/BP 1 E110	М	I	PT/BP 1	P-WS	Good	
	UNICERT YELLOW K7005-J	Cl 45350 Yellow 8 Ki 202-(1) [Yellow 202-(1)]	PT/BP 1 =6%MAX	EXT	I	PT/BP 1 =6%MAX	P-WS	Poor	
	UNICERT YELLOW K7164-J	Cl 10316 Ext. Yellow 7 Ki 403-(1) [Yellow 403-(1)]	PT/BP 2	EXT	dll	PT/BP 2	P-WS	Moderate	
	UNICERT ORANGE K7011-J	Cl 15510 Orange 4 Daidai 205 [Orange 205]	PT/BP 2	EXT	I	PT/BP 2	P-WS	Good	
	UNICERT RED 07004-J	Cl 14700 Red 4 Aka 504 [Red 504]	PT/BP 1	EXT	dll	PT/BP 1	P-WS	Good	
	UNICERT RED K7008-J	Cl 45380 Red 22 Aka 230-(1) [Red 230-(1)]	PT/BP 1	М	I	PT/BP 1	P-WS	Poor	
	UNICERT RED K7054-J	Cl 45410 Red 28 Aka 104 -(1) [Red 104-(1)]	PT/BP 1	М	I	PT/BP 1	P-WS	Poor	
	UNICERT RED K7057-J	Cl 17200 Red 33 Aka 227 [Red 227]	PT/BP 1	EXT*	I	PT/BP 1	P-WS	Good	
	UNICERT VIOLET K7025-J	Cl 60730 Ext. Violet 2 Murasaki 401 [Violet 401]	PT/BP 3	EXT	llb	PT/BP 3	P-WS	Very good	
	UNICERT VIOLET K7116-J	Cl 60730 Ext. Violet 2 Murasaki 401 [Violet 401]	PT/BP 3	EXT	llb	PT/BP 3	P-WS	Very good	
	UNICERT BLUE 05601-J	Cl 42090 Blue 1 Ao 1 [Blue 1]	PT/BP 1 E133	M/EA	I	PT/BP 1	P-WS	Good	
	UNICERT GREEN 06503-J	Cl 42053 Green 3 Midori 3 [Green 3]	PT/BP 1	М	I	PT/BP 1	P-WS	Moderate	
	UNICERT GREEN K7015-J	Cl 61570 Green 5 Midori 201 [Green 201]	PT/BP 1	M/EA	I	PT/BP 1	P-WS	Very good	
	UNICERT GREEN K7157-J	Cl 59040 Green 8 Midori 204 [Green 204]	PT/BP 3	EXT	I	PT/BP 3	P-WS	Very good	

P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble



For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

Shade	Product name	Main color labelling Europe / China - USA - Japai
	UNICERT BROWN REPLACEMENT-J	Cl 14700 / Cl 19140 / Cl 172 D&C Brown n°1 Replacemer Red 504 / Yellow 4 / Red 22
	D&C YELLOW N°10 K7059-C	Cl 47005 Yellow 10 Ki 203 [Yellow 203]
	JAUNE DE QUINOLEINE 70% E104-C	Cl 47005  Ki 203 [Yellow 203]
	FD&C RED N°40 07700-C	Cl 16035 Red 40 
	PONCEAU 4R 80% E124-C	Cl 16255  Aka 102 [Red 102]

### Bromo acids

Shade	Product name	Main color labelling Europe / China - USA - Japar
Alcaline condition	UNICERT ORANGE K7003-J	Cl 45370 Orange 5 Daidai 201 [Orange 201]
Alcaline condition	UNICERT RED K7053-J	Cl 45410 Red 27 Aka 218 [Red 218]
Alcaline condition	UNICERT RED K7061-J	Cl 45380 Red 21 Aka 223 [Red 223]

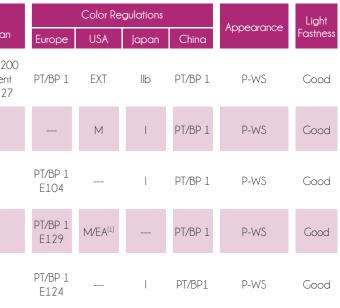


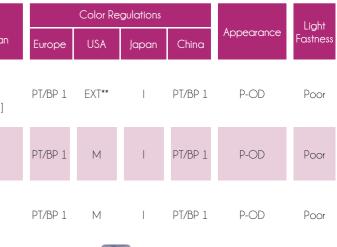
P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble

Europe / China	USA
Product Type / Body Part (PT/BP) PT/BP 1: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products succept those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover. PT/BP 3: allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes. PT/BP 4: allowed exclusively in cosmetic products intended to come into contact only briefly with the stin.	MEA : for coloring cosmetics generally, including that the eye. M: for coloring cosmetics generally, EXT : for coloring externally applied cosmetics. In the crea of the eye. EXT*** : for coloring externally applied cosmetics, for max in the finished cosmetic products), mouthwashes toothposte. EXT***** : for coloring externally applied cosmetics, for max in the finished cosmetic products). B: for coloring the following cosmetics: eyellere, brus Interk: bitwee cod maxe makeus a met foundation

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com









nose intended for use in the area of

including cosmetics intented for use in r coloring cosmetic lip products (3% es (including breath fresheners) and

for coloring cosmetic lip products (3%

rush-on-brow eve shadow mascarc on, and nail ename

Japai

- Permitted for all cosmetics. II. Permitted for externally applied cosmetics a : except eye area b : except mucous membrane
- c : except eye area and mucous membrane
   III. Permitted for nail and hair products only.

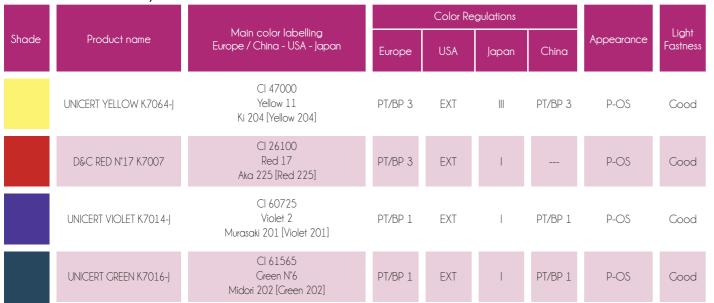


# Unicert®-J (Global dyes) & Phat

### • Globally approved synthetic dyes

- First generation of colors in compliance with European, American, Japanese and Chinese cosmetic regulations.
- Water-soluble, oil-soluble grade and bromo acids.

### Oil Soluble dyes



### Mixture of FDA certified oil-soluble dyes

• Superior batch to batch consistency

			Color Regulations					
Shade	Product name	Main color labelling Europe / China - USA - Japan	Europe	USA	Japan	China	Appearance	Light Fastness
	PHAT ORANGE DC 2204	Cl 47000 / Cl 26100 Yellow 11 / Red 17 Yellow 204 / Red 225	PT/BP 3	EXT			P-OS	Good
	PHAT BLUE DC 6204	Cl 61565 / Cl 60725 Green 6 / Violet 2 Green 202 / Violet 201	PT/BP 1	EXT	L	PT/BP 1	P-OS	Good
	PHAT GREEN DC 7215	Cl 47000 / Cl 61565 / Cl 60725 Yellow 11 / Green 6 / Violet 2 Yellow 204 / Green 202 / Violet 201	Cat.3	EXT	11	PT/BP 3	P-OS	Good
	PHAT BROWN DC 8206	Cl 61565/Cl 26100 / Cl 60725 / Cl 47000 Green 6 / Red 17 / Violet 2 / Yellow 11 Green 202/Red 225/Violet 201/Yellow 204	PT/BP 3	EXT	Ш		P-OS	Good
	PHAT BLACK DC 9203	Cl 61565/Cl 26100 Green 6 / Red 17 Green 202 / Red 225	PT/BP 3	EXT			P-OS	Good
	PHAT BLACK DC 9206	Cl 61565 / Cl 60725 / Cl 26100 Green 6 / Violet 2 / Red 17 Green 202 / Violet 201 / Red 225	PT/BP 3	EXT	I		P-OS	Good

### EC Dyes - Synthetic Food dyes

- Synthetic water-soluble dyes
- Meet purity criteria and characteristics set by EC Food Directive 231/2012/EU exclusively.

### Water Soluble dyes

	Product name	Main color labelling Europe / China	Color Regulations					Light
Shade		USA Japan	Europe	USA	Japan	China	Appearance	Fastness
	TARTRAZINE 85% E102	Cl 19140 - -	PT/BP 1 E102				P-WS	Good
	SUNSET YELLOW FCF 85% E110	Cl 15985 - -	PT/BP 1 E110				P-WS	Good
	AMARANTE 85% E123	CI 16185 - -	PT/BP 1 E123				P-WS	Good
	PONCEAU 4R 80% E124	Cl 16255 -	PT/BP 1 E124				P-WS	Good
	BLEU PATENTE 85% E131	CI 42051 - -	PT/BP 1 E131				P-WS	Moderate
	BLEU BRILLANT FCF 85% E133	CI 42090 - -	PT/BP 1 E133				P-WS	Good
	NOIR BRILLANT BN 80% E151	CI 28440 - -	PT/BP 1 E151				P-WS	Good

P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble

Europe / China	USA
Product Type / Body Part (PT/BP) PT/BP 1: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye male-up and eye mate-up remover. PT/BP 3: allowed exclusively in cosmetic products intended not to come into contact with the macross membranes. PT/BP 4: allowed exclusively in cosmetic products intended to come into contact only briefly with the stin.	MEA : for coloring cosmetics generally, including the the eye. M: for coloring acometics generally, EXT: for coloring externally applied cosmetics. EXT/EA: for coloring externally applied cosmetics, for max in the trinihed cosmetic products), mouthwake toothpostes. EXT**: for coloring externally applied cosmetics, for max in the finished cosmetic products). B: for coloring the following cosmetics: seylene, bh tipatics, bulkers and rouge, mate-up and foundarit

P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com



For more details about the products or technical support, please contact our sales department France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

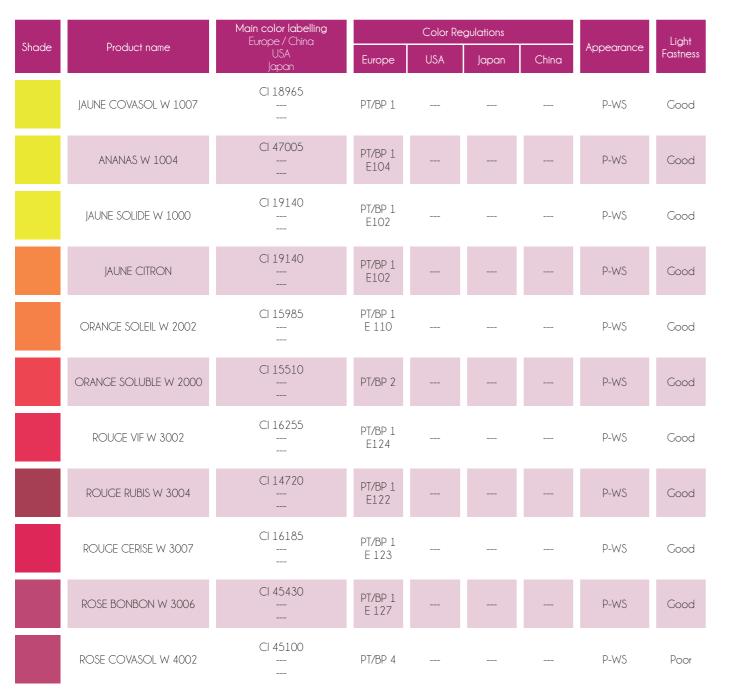
- those intended for use in the area of
- including co smetics intented for use ir
- for coloring cosmetic lip products (3% hes (including breath fresheners) and
- , for coloring cosmetic lip products (3% brush-on-brow, eye shadow, mascard

- Permitted for all cosmetics II. Permitted for externally applied cosmetic a : except eye area except mucous membrane
- except eye area and mucous membrane
   emitted for nail and hair products only. III De

**SENSIENT**° 

# EC Cosmetic Dyes - Water Soluble dyes

- Synthetic water-soluble dyes
- Mixture of EC dyes to achieve a wide portfolio of colors
- Meet purity criteria and characteristics set by EC Food Directive 2008/128/EC exclusively.



		Main color labelling Europe / China	Color Regulations					Light
Shade	Product name	USA Japan	Europe	USA	Japan	China	Appearance	Fastness
	LILAS SOLIDE W 5001	CI 45190	PT/BP 4				P-WS	Good
	VIOLET COVASOL W5002 CONC120	CI 60730 -	PT/BP 3				P-WS	Good
	BLEU AZUR W 6004	CI 74180 -	PT/BP 4				P-WS	Good
	BLEU SOLUBLE W 6002	CI 42090	PT/BP 1 E133				P-WS	Good
	BLEU W 683	CI 42051	PT/BP 1 E131				P-WS	Good
	VERT COVASOL W 7035	Cl 42090 / Cl 19140 - -	PT/BP 1 E133 E102				P-WS	Good
	VERT MENTHE C	Cl 19140 / Cl 42051 -	PT/BP 1 E102 E131				P-WS	Good
	VERT COVASOL W 7019	CI 47005 / CI 74180 - -	PT/BP 4				P-WS	Good
	VERT MENTHE E	Cl 19140 / Cl 42051 -	PT/BP 1 E102 E131				P-WS	Good
	VERT COVASOL W 7034	CI 19140 / CI 42090 - -	PT/BP 1				P-WS	Good
	FLUORESCEINE W 742	CI 45350 -	PT/BP 1 =6%MAX				P-WS	Poor
	VERT FLUORESCENT COVASOL W7039	Cl 42090 / Cl 45350 - -	PT/BP 1				P-WS	Moderate
	VERT TURQUOISE W 7003	CI 61570	PT/BP 1				P-WS	Good
	VERT B W 7002	CI 10020 -	PT/BP 1				P-WS	Moderate

P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / I -OS : Liquid-Oil Soluble

Europe / China	USA
Product Type / Body Part (PT/BP) PT/BP 1: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products except those intended to be applied in the vicihily of the eyes, in particular eye make-up and eye make-up remover. PT/BP 3: allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes. PT/BP 4: allowed exclusively in cosmetic products intended to come into contact only birely with the skin.	MEA: for coloring cosmetics generally, including the eye. M: for coloring cosmetics generally. EXT: for coloring externally applied cosmetics. EXTEA: for coloring externally applied cosmetics. the area of the eye. EXT**: for coloring externally applied cosmetics, fi max in the thished cosmetic products), mouthwast toothpastes. EXT***: for coloring externally applied cosmetics, max in the thished cosmetic products). B: for coloring the following cosmetics. evelone, to lipstick, blushes and rouge, make-up and foundar

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

ig those intended for use in the area of

ics, including cosmetics intented for use in

, for coloring cosmetic lip products (3% ashes (including breath fresheners) and

s, for coloring cosmetic lip products (3% er, brush-on-brow, eye shadow, mascara, dation, and nail enamel. Japar

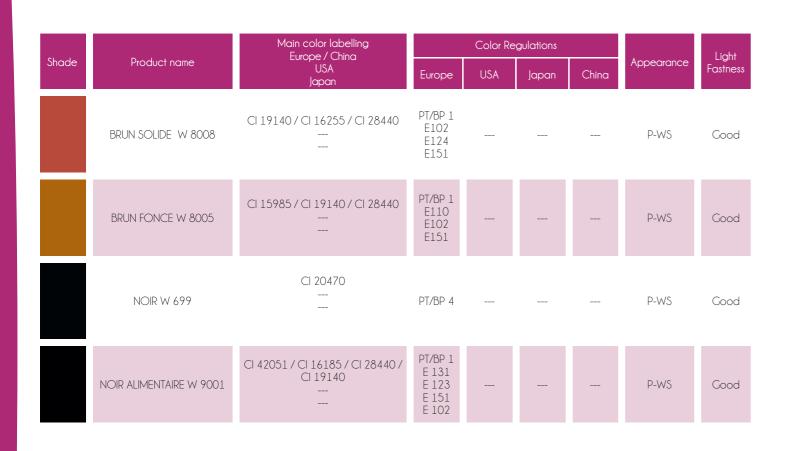
I. Permitted for all cosmetics. Permitted for all cosmetics.
 Permitted for externally applied cosmetics:

 a: except eye area
 b: except muccus membrane
 c: except eye area and muccus membrane
 III. Permitted for nail and hair products only.



### EC Cosmetic dyes - Water Soluble dyes

- Synthetic water-soluble dyes
- Mixture of EC dyes to achieve a wide portfolio of colors
- Meet purity criteria and characteristics set by EC Food Directive 2008/128/EC exclusively.



#### P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble

Europe / China	USA	
Product Type / Body Part (PT/BP) PT/BP 1: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products except those intended to be applied in the vicinity of the eyes, in particular eye make-up and eye make-up remover. PT/BP 3: allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes. PT/BP 4: allowed exclusively in cosmetic products intended to come into contact only briefly with the skin.	MEA : for coloring cosmetics generally, including those intended for use in the area of the eye. M : for coloring cosmetics generally. EXT : for coloring externally applied cosmetics. EXTEA : for coloring externally applied cosmetics, including cosmetics intented for use in the area of the eye. EXT*** : for coloring externally applied cosmetics, for coloring cosmetic in products (3% max in the trished cosmetic products), mouthwashes (including breath fesheness) and toothpastes. EXT***: : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the trished cosmetic products). EXT***: : : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the trished cosmetic products). B : for coloring the following cosmetics : eyeliner, bruth-on-brow, eye shadow, mascara, linstick butters and circu emisers on off our ensmel	L Pemitted for all cosinetics. IL Pemitted for externally applications of the second

### Natpure Col - Natural Food dyes

- An extensive range of speciality natural dyes from vegetable sources
- Meet purity criteria and characteristics set by the EC Food Directive 2008/128/EC
- Superior products with respect to stability, quality and safety
- Ecocert compliant grades (\*)

		Main color labelling Europe / China	C	olor Regulatio	ns		Light
Shade	Product name	USA Japan	Europe	USA	Japan	Appearance	Fastness
	NATPURE COL ORANGE LC 217*	Cl 75130 Beta-Carotene Beta-Carotene	PT/BP 1 E160a(ii)	M/EA	I	P-WS	Poor
	NATPURE COL RED LC 313*	Beetroot red [Beta vulgaris]  Beetroot red	PT/BP 1 E162		I	P-WS	Poor
	NATPURE COL GREEN LC 717*	Cl 75810 Chlorophyllin-copper complex Socium copper chlorophyllin	PT/BP 1 E141(ii)	*	I	P-WS	Good
	NATPURE COL BROWN LC 816	Caramel Caramel Caramel	PT/BP 1 E150c	M/EA	I	P-WS	Very good
	NATPURE COL BROWN LC 817*	Caramel Caramel Caramel	PT/BP 1 E150a	M/EA	I	P-WS	Moderate
	CARMIN SOLUBLE W 3014	Cl 75470 Carmine Carmine	PT/BP 1	M/EA	I	P-WS	Good
)il So	luble dyes						
	NATPURE COL YELLOW LC 112*	Cl 75300  Turmeric	PT/BP 1 E100		I	P-OS	Poor
	NATPURE COL ORANGE LC 214L*	Cl 75120 Annatto Annatto	PT/BP 1 E160b	M/EA		L-OS	Poor
	NATDURE COUREDUC 319	Cl 75130 Beta-Carotene	PT/BP 1	M/EA	I	1-05	Poor

		Main color labelling Europe / China	C	olor Regulatio	ns		Light
Shade	Product name	USA Japan	Europe	USA	Japan	Appearance	Fastness
	NATPURE COL ORANGE LC 217*	Cl 75130 Beto-Carotene Beto-Carotene	PT/BP 1 E160a(ii)	M/EA	I	P-WS	Poor
	NATPURE COL RED LC 313*	Beetroot red [Beta vulgaris]  Beetroot red	PT/BP 1 E162		I	P-WS	Poor
	NATPURE COL GREEN LC 717*	Cl 75810 Chlorophyllin-copper complex Sodium copper chlorophyllin	PT/BP 1 E141(ii)	*	I	P-WS	Good
	NATPURE COL BROWN LC 816	Caramel Caramel Caramel	PT/BP 1 E150c	M/EA	I	P-WS	Very good
	NATPURE COL BROWN LC 817*	Caramel Caramel Caramel	PT/BP 1 E150a	M/EA	I	P-WS	Moderate
	CARMIN SOLUBLE W 3014	Cl 75470 Carmine Carmine	PT/BP 1	M/EA	I	P-WS	Good
Oil Sol	luble dyes						
	NATPURE COL YELLOW LC 112*	Cl 75300  Turmeric	PT/BP 1 E100		I	P-OS	Poor
	NATPURE COL ORANGE LC 214L*	Cl 75120 Annatto Annatto	PT/BP 1 E160b	M/EA	I	L-OS	Poor
	NATPURE COL RED LC 319L	Cl 75130 Beta-Carotene Beta-Carotene	PT/BP 1 E160a(ii)	M/EA	I	L-OS	Poor
	NATPURE COL GREEN LC 719L*	CI 75810	E141(i)			L-OS	Good

P-WS : Powder-Water Soluble / P-OS : Powder-Oil Soluble / P-OD : Powder-Oil Dispersible / L-OS : Liquid-Oil Soluble Europe / China USA

Product Type / Body Part (PT/BP) PT/BP 1: allowed in all cosmetic products PT/BP 2: allowed in all cosmetic products except those intended to be applied in the vicinity of the grea, in particular eye make-up and eye make-up remover. PT/BP 3: allowed exclusively in cosmetic products intended not to come into contact with the mucous membranes. PT/BP 4: allowed exclusively in cosmetic products intended to come into contact only briefly with the skin.	MEA: for coloring cosmetics generally, including those intended for use in the area of the eye. M: for coloring cosmetics generally. EX1: for coloring externally applied cosmetics, including cosmetics intented for use in the area of the eye. EX1T**: for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including beath freshenes) and toothpostes. EX1**: for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including beath freshenes) and toothpostes. EX1**: for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmet corducts).
	B : for coloring the following cosmetics : eyeliner, brush-on-brow, eye shadow, mascara,

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

For more details about the products or technical support, please contact our sales department : France, 7-9 rue de l'Industrie, 95310 Saint Ouen L'Aumône, Phone : 33 1 34 48 57 00, Fax : 33 1 34 64 44 40 USA, 107, Wade Avenue, South Plainfield, NJ07080-1311, Phone : 1 908 757 4500, Fax : 1 908 757 3170 www.sensient-cosmetics.com - email : contact@sensient-cosmetics.com

Japa

plied cosmetics

nucous membrane products only.





Permitted for all cosmetics

- II. Permitted for externally applied cosmetics a : except eye area b · except mucous membrane
- except eye area and mucous membrane
   emitted for nail and hair products only. III Pe

**SENSIENT**° COSMETIC TECHNOLOGIES





### www.sensient-cosmetics.com

FRANCE 7-9 rue de l'Industrie 95310 Saint Ouen L'Aumône Tel : 33 1 34 48 57 00 Fax: 33 1 34 64 44 40

USA 107 Wade Avenue South Plainfield NJ 07080-1311 Tel : 908 757 4500 Fax: 908 757 3170 BRAZIL Av. Oceania, 149 Polo Empresarial Tamboré 06543-308 Santana de Parnaíba Shanghai 201100 São Paulo Tel : 55 11 31 61 3799 Fax: 55 11 31 68 3142

CHINA 6F, #1 Building, No. 168 Jixin Rd., Minhang District Tel : 86 21 3453 7676 Fax: 86 21 5079 1610

JAPAN Toho Tokyo Shiba Bldg. 29-12 Shiba 2-Chome Minato-ku, Tokyo 105-0014 Tel: 81 3 6400 3270 Fax: 81 3 6400 3290