



Cosmetic Pigments

EXPERTISE IN COLORS

Dyes, Pigments,
Pigment dispersions, Pearls,
Surface treatments applied on
pigments and pearls...

As a primary manufacturer of certified dyes and pigments and enjoying the successful color expertise of Sensient group, we offer globally compliant colors, specialty blending, surface treatments, specialty milling and pigments dispersions to satisfy your most demanding individual requirements.

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 ingredients for Make-up, Skin care, Hair care, Personal hygiene, Oral care, Fragrance.

EXPERTISE IN COLORS

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-cosmetics.com

Unipure LC®

Unipure LC is a complete line of purified lakes, mineral and organic pigments, specifically developed to meet the current – and anticipate the future – requirements of the cosmetic industry.

Main benefits

Superior batch to batch consistency

We guarantee a global color difference $\Delta E < 1.2$ units for all batches of a given item when compared to the standard sample.

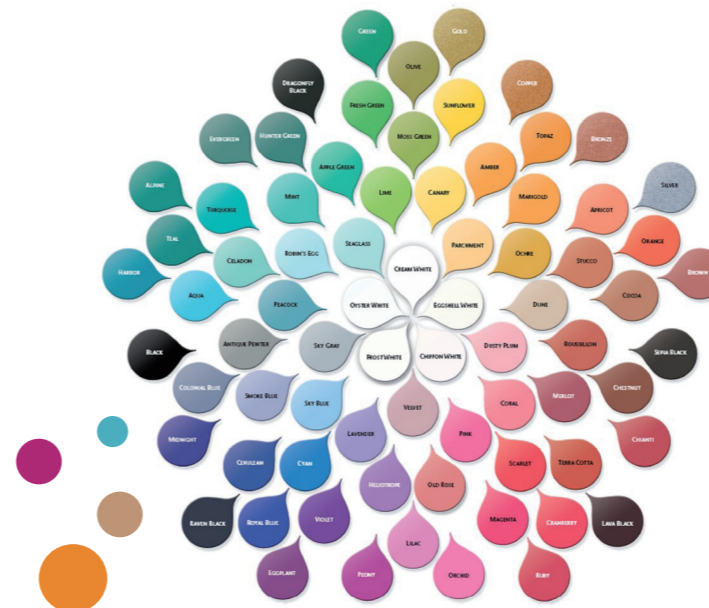
This assessment is valid when performed under test method 10-126 which will be sent upon request.

Superior Chroma

All items have the highest possible color purity (also called chroma or saturation) for a given chemical structure. This can be measured by the C* value in the L*C*h cylindrical CIELAB 1976 color space system.

Superior dispersibility

All batches have outstanding and reproducible dispersibility with no aggregates above 5 microns.



Superior Chemical Purity

All items in this range have very low levels of impurities, well below what is required by the major existing color regulations.

Color Labelling	Europe
Iron oxides	Ni < 50 ppm Cr < 50 ppm Co < 30 ppm
Iron oxides - New generation Unipure Yellow LC® 188 Unipure Red LC® 388 Unipure Black LC® 988	Ni < 10 ppm Cr < 25 ppm Co < 10 ppm
Chromium oxides (Patented process)	Cr ⁶⁺ < 5 ppm
Iron blue	CN ⁻ < 2 ppm
Organic and lake pigments*	BaSO ₄ -free ⁽¹⁾ Rosin-free ⁽²⁾

(1) except for Unipure Red LC 304
(2) except for Unipure Red LC3071

Regulations

Most of Unipure LC pigments are global compliant.

Superior bacteriological purity

All batches are guaranteed with less than 100 CFU/g and absence of pathogens or gram negatives.

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.

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Unipure LC[®] - Iron Oxides & Titanium Dioxides

- Wide range of shades
- Batch to batch consistency
- Very low impurities level
- Ecocert standard compliant grades

Full Shade	Reduced Shade	Product name	Chemical formula	Particle shape
		UNIPURE YELLOW LC181	Fe ₂ O ₃ .nH ₂ O	Acicular
		UNIPURE YELLOW LC182	Fe ₂ O ₃ .nH ₂ O	Acicular
		UNIPURE YELLOW LC188	Fe ₂ O ₃ .nH ₂ O	Acicular
		UNIPURE RED LC380	Fe ₂ O ₃	Spheroidal
		UNIPURE RED LC381	Fe ₂ O ₃	Spheroidal
		UNIPURE RED LC383	Fe ₂ O ₃	Spheroidal
		UNIPURE RED LC386	Fe ₂ O ₃	Spheroidal
		UNIPURE RED LC388	Fe ₂ O ₃	Spheroidal
		UNIPURE BROWN LC881	Fe ₂ O ₃ .nH ₂ O Fe ₂ O ₃ FeO.Fe ₂ O ₃	Blend
		UNIPURE BROWN LC887	Fe ₂ O ₃ .nH ₂ O Fe ₂ O ₃ FeO.Fe ₂ O ₃	Blend
		UNIPURE BROWN LC889	Fe ₂ O ₃ FeO.Fe ₂ O ₃	Blend
		UNIPURE BLACK LC988	FeO.Fe ₂ O ₃	Cubic
		UNIPURE BLACK LC989	FeO.Fe ₂ O ₃	Cubic
		UNIPURE TRIPLE BLACK LC990	FeO.Fe ₂ O ₃	Cubic
		UNIPURE WHITE LC981	TiO ₂	Anatase
		UNIPURE WHITE LC987	TiO ₂	Rutile

Color Index	INCI & Regulations				Comments
	Europe	Chine	USA	Japan	
CI 77492	CI 77492 PT/BP 1 / E172	CI 77492 PT/BP 1	Iron Oxides M/EA	Yellow Oxide of Iron 	
CI 77492	CI 77492 PT/BP 1 / E172	CI 77492 PT/BP 1	Iron Oxides M/EA	Yellow Oxide of Iron 	
CI 77492	CI 77492 PT/BP 1 / E172	CI 77492 PT/BP 1	Iron Oxides M/EA	Yellow Oxide of Iron 	Higher purity
CI 77491	CI 77491 PT/BP 1 / E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron 	
CI 77491	CI 77491 PT/BP 1 / E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron 	
CI 77491	CI 77491 PT/BP 1 / E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron 	
CI 77491	CI 77491 PT/BP 1 / E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron 	
CI 77491	CI 77491 PT/BP 1 / E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron 	Higher purity
CI 77492 / CI 77491 / CI 77499	CI 77492 / CI 77491 / CI 77499 PT/BP 1 / E172	CI 77492 / CI 77491 / CI 77499 PT/BP 1	Iron oxides M/EA	Yellow, Red, Black Oxides of Iron 	
CI 77491 / CI 77492 / CI 77499	CI 77491 / CI 77492 / CI 77499 PT/BP 1 / E172	CI 77491 / CI 77492 / CI 77499 PT/BP 1	Iron oxides M/EA	Yellow, Red, Black Oxides of Iron 	
CI 77491 / CI 77499	CI 77491 / CI 77499 PT/BP 1 / E172	CI 77491 / CI 77499 PT/BP 1	Iron oxides M/EA	Red, Black Oxides of Iron 	
CI 77499	CI 77499 PT/BP 1 / E172	CI 77499 PT/BP 1	Iron oxides M/EA	Black Oxide of Iron 	Higher purity
CI 77499	CI 77499 PT/BP 1 / E172	CI 77499 PT/BP 1	Iron oxides M/EA	Black Oxide of Iron 	
CI 77499	CI 77499 PT/BP 1 / E172	CI 77499 PT/BP 1	Iron oxides M/EA	Black Oxide of Iron 	
CI 77891	CI 77891 PT/BP 1 / E171	CI 77891 PT/BP 1	Titanium dioxide M/EA	Titanium dioxide 	
CI 77891	CI 77891 PT/BP 1 / E171	PT/BP 1	Titanium dioxide M/EA	Titanium dioxide 	











See color regulations details in page 7

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Unipure LC[®] EM - Micronized grades - Iron Oxides & Titanium Dioxides

- Easier dispersibility in cosmetic formulations
- Batch to batch consistency
- Very low impurities level
- Ecocert standard compliant grades

Full Shade	Reduced Shade	Product name	Chemical formula	Particle shape
		UNIPURE YELLOW LC182 EM	$Fe_2O_3 \cdot nH_2O$	Acicular
		UNIPURE RED LC381 EM	Fe_2O_3	Spheroidal
		UNIPURE BLACK LC989 EM	$FeO \cdot Fe_2O_3$	Cubic
		UNIPURE WHITE LC981 EM	TiO_2	Anatase
		UNIPURE WHITE LC987 EM	TiO_2	Rutile

Color Index	INCI & Regulations				Comments
	Europe	China	USA	Japan	
CI 77492	CI 77492 PT/BP 1 E172	CI 77492 PT/BP 1	Iron Oxides M/EA	Yellow Oxide of Iron I	
CI 77491	CI 77491 PT/BP1 E172	CI 77491 PT/BP 1	Iron oxides M/EA	Red Oxide of Iron I	
CI 77499	CI 77499 PT/BP1 E172	CI 77499 PT/BP 1	Iron oxides M/EA	Black Oxide of Iron I	
CI 77891	CI 77891 PT/BP1 E171	CI 77891 PT/BP 1	Titanium dioxide M/EA	Titanium dioxide I	
CI 77891	CI 77891 PT/BP1 E171	CI 77891 PT/BP 1	Titanium dioxide M/EA	Titanium dioxide I	



Europe / China

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.

USA

M/EA : 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.

EXT/EA : for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.

EXT** : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.

EXT*** : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products).

B : for coloring the following cosmetics : eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.

Japan

I. 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

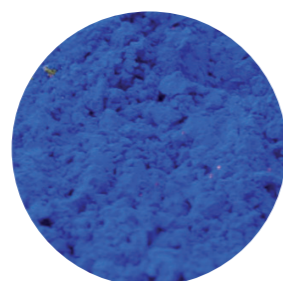
III. Permitted for nail and hair products only.

Unipure LC[®] - Ultramarine, Manganese Violet, Ferric Ferrocyanide and Chromium green pigments

- Wide range of shades
- Batch to batch consistency
- Very low impurities level
- Ecocert standard compliant grades

Full Shade	Reduced Shade	Product name	Chemical formula	Particle shape
		UNIPIRE VIOLET LC581	MnNH ₄ P ₂ O ₇	Spheroidal
		UNIPIRE PINK LC583	MnNH ₄ P ₂ O ₇	Spheroidal
		UNIPIRE PINK LC589	Na ₇ Al ₆ Si ₆ O ₂₄ S ₃	Spheroidal
		UNIPIRE VIOLET LC585	Na ₇ Al ₆ Si ₆ O ₂₄ S ₃	Spheroidal
		UNIPIRE VIOLET LC587	Na ₇ Al ₆ Si ₆ O ₂₄ S ₃	Spheroidal
		UNIPIRE BLUE LC680	Na ₇ Al ₆ Si ₆ O ₂₄ S ₃	Spheroidal
		UNIPIRE BLUE LC686	Na ₇ Al ₆ Si ₆ O ₂₄ S ₃ Silica	Spheroidal
		UNIPIRE BLUE LC685	C ₆ FeN ₆ Fe ₄ N Talc	Blend
		UNIPIRE GREEN LC788	Cr ₂ O ₃	Rhombohedral

Color Index	INCI & Regulations				Comments
	Europe	China	USA	Japan	
CI 77742	CI 77742 PT/BP 1	CI 77742 PT/BP 1	Manganese Violet M/EA	Manganese Violet I	Not stable in alkali conditions
CI 77742	CI 77742 PT/BP 1	CI 77742 PT/BP 1	Manganese Violet M/EA	Manganese Violet I	Not stable in alkali conditions
CI 77007	CI 77007 PT/BP 1	CI 77007 PT/BP 1	Ultramarines EXT/EA	Ultramarine Pink I	Not stable in acid conditions
CI 77007	CI 77007 PT/BP 1	CI 77007 PT/BP 1	Ultramarines EXT/EA	Ultramarine Violet I	Not stable in acid conditions
CI 77007	CI 77007 PT/BP 1	CI 77007 PT/BP 1	Ultramarines EXT/EA	Ultramarine Violet I	Not stable in acid conditions
CI 77007	CI 77007 PT/BP 1	CI 77007 PT/BP 1	Ultramarines EXT/EA	Ultramarine Blue I	Not stable in acid conditions
CI 77007	CI 77007 PT/BP 1	CI 77007 PT/BP 1	Ultramarines EXT/EA	Ultramarine Blue I	Stable in acid & alkali conditions
CI 77510	CI 77510 PT/BP 1	CI 77510 PT/BP 1	Ferric Ammonium Ferrocya- nide EXT/EA	Ferric Ammonium Ferrocya- nide I	Not stable in alkali conditions
CI 77288	CI 77288 PT/BP 1	CI 77288 PT/BP 1	Chromium oxide greens EXT/EA	Chromium oxide I	Cr ⁶⁺ < 5 ppm patented process



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 c : except eye area and mucous membrane
 III. Permitted for nail and hair products only.

Unipure LC® - Lakes

- Complete range of cosmetic lakes
- High purity colors
- Batch to batch consistency

Full Shade	Reduced Shade	Product name	Chemical formula	Pure Dye Content
		UNIPURE YELLOW LC124		13 - 19%
		UNIPURE YELLOW LC125		20 - 35%
		UNIPURE ORANGE LC226		15 - 30%
		UNIPURE RED LC321		> 11%
		UNIPURE RED LC323		10 - 20%
		UNIPURE RED LC324		15 - 25%
		UNIPURE RED LC327		15 - 25%
		UNIPURE RED LC328		15 - 30%
		UNIPURE RED LC320		> 50% (in carminic acid)
		UNIPURE BLUE LC520		> 50% (in carminic acid)
		UNIPURE BLUE LC621		10 - 20%

Color Index	INCI & Regulations				Comments
	Europe	China	USA	Japan	
CI 47005:1	---	CI 47005 PT/BP 1	Yellow 10 Lake M	Yellow 203 I	Alumina substrate
CI 19140:1	CI 19140 PT/BP 1	CI 19140 PT/BP 1	Yellow 5 Lake M/EA	Yellow 4 I	Alumina substrate
CI 15985:1	CI 15985 PT/BP 1	CI 15985 PT/BP 1	Yellow 6 Lake M	Yellow 5 I	Alumina substrate
CI 45380:3	CI 45380 PT/BP 1	CI 45380 PT/BP 1	Red 21 Lake M	---	Alumina substrate
CI 17200:1	CI 17200 PT/BP 1	CI 17200 PT/BP 1	Red 33 Lake EXT**	Red 227 I	Alumina substrate
CI 16035:1	CI 16035 PT/BP 1	CI 16035 PT/BP 1	Red 40 Lake M/EA	---	Alumina substrate
CI 45410:2	CI 45410 PT/BP 1	CI 45410 PT/BP 1	Red 27 Lake M	---	Alumina substrate
CI 45410:2	CI 45410 PT/BP 1	CI 45410 PT/BP 1	Red 28 Lake M	Red 104 I	Alumina substrate
CI 75470	CI 75470 PT/BP 1 E120	CI 75470 PT/BP 1	Carminic M/EA	Carminic I	
CI 75470	CI 75470 PT/BP 1 E120	CI 75470 PT/BP 1	Carminic M/EA	Carminic I	
CI 42090:2	CI 42090 PT/BP 1	CI 42090 PT/BP 1	Blue 1 Lake M/EA	Blue 1 I	Alumina substrate



Europe / China

Product Type / Body Part (PT/BP)
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 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.

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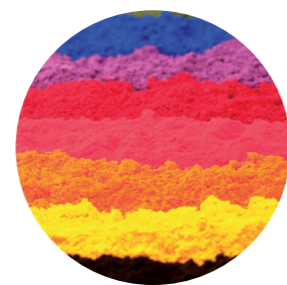
Unipure LC[®] - Organic pigments

- Complete range of organic pigments
- High purity colors
- Batch to batch consistency

Full Shade	Reduced Shade	Product name	Chemical formula	Pure Dye Content	Color Index	INCI & Regulations				Comments
						Europe	Chine	USA	Japan	
		UNIURE RED LC300		30 - 50%	CI 73360	CI 73360 PT/BP 1	CI 73360 PT/BP 1	Red 30 Lake M	Red 226 I	
		UNIURE RED LC306		75 - 82%	CI 12085	CI 12085 PT/BP 1=3% max	CI 12085 PT/BP 1=3% max	Red 36 Lake EXT***	Red 228 I	
		UNIURE RED LC303		> 90%	CI 15850	CI 15850 PT/BP 1	CI 15850 PT/BP 1	Red 6 M	Red 201 I	
		UNIURE RED LC304		68 - 75%	CI 15850:2	CI 15850 PT/BP 1	CI 15850 PT/BP 1	Red 6 Lake M	---	Barium sulfate substrate
		UNIURE RED LC3071		45 - 55%	CI 15850:1	CI 15850 PT/BP 1	CI 15850 PT/BP 1	Red 7 Lake M	Red 202 II	Alumina + rosin substrate
		UNIURE RED LC3075		30 - 50%	CI 15850:1	CI 15850 PT/BP 1	CI 15850 PT/BP 1	Red 7 Lake M	Red 202 II	Alumina substrate
		UNIURE RED LC3079		> 90%	CI 15850:1	CI 15850 PT/BP 1	CI 15850 PT/BP 1	Red 7 M	Red 202 II	Non rosinated pure toner Barium sulfate free
		UNIURE RUBINE LC414		> 85%	CI 15880:1	CI 15880 PT/BP 1	CI 15880 PT/BP 1	Red 34 EXT	Red 220 I	
		UNIURE BLACK LC902	C	> 95%	CI 77266	CI 77266 PT/BP 1	CI 77266 PT/BP 1	Black 2 B	Carbon black I	

Unipure LC[®] - Composite pigments

Full Shade	Reduced Shade	Product name	Chemical formula	Pure Dye Content	Color Index	INCI & Regulations				Comments
						Europe	Chine	USA	Japan	
		UNIURE GREEN LC721		20 - 35%	CI 19140:1 CI 42090:1	CI 19140 CI 42090 PT/BP 1	CI 19140 CI 42090 PT/BP 1	Blue 1 Lake Yellow 5 Lake M/EA	Blue 1 Yellow 5 I	Alumina substrate



Europe / China

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EC Pigments & White Pigments

Full Shade	Reduced Shade	Product name	Chemical formula	Pure Dye Content
		QUINOLEINE YELLOW LAKE 300500		14 - 24%
		COVALAC ROUGE W 3502		19 - 25%
		COVALAC ROUGE W 3514		24 - 26%
		COVALAC BLEU W 6504		12 - 16%
		JAUNE COVANOR W 1605		-
		ROUGE COVANOR W 3619		-
		BLEU COVANOR W 6605		-
		VERT COVANOR W 7600		-
		NOIR VEGETAL CODEX W 9823	C	> 95%

Full Shade	Reduced Shade	Product name	Chemical formula	Grade
		EUROVIT TITANIUM DIOXIDE 500095	TiO ₂	Anatase
		OX. DE TITANE ORGANOPHILE W 877	TiO ₂	Rutile
		OXYDE DE TITANE STANDARD	TiO ₂	Anatase
		OXYDE DE ZINC	ZnO	---

Color Index	INCI & Regulations				Comments
	Europe	Chine	USA	Japan	
CI 47005:1	CI 47005 PT/BP 1 E104 Al lake	CI 47005 PT/BP 1	---	Yellow 203 I	
CI 16255:1	CI 16255 PT/BP 1	CI 16255 PT/BP 1	---	Red 102 I	
CI 58000:1	CI 58000 PT/BP 1	CI 58000 PT/BP 1	---	---	
CI 73015	CI 73015 PT/BP 1 E132 Al lake	CI 73015 PT/BP 1	---	Blue 2 I	
CI 11680	CI 11680 PT/BP 3	CI 11680 PT/BP 3	---	Yellow 401 III	
CI 12490	CI 12490 PT/BP 1	CI 12490 PT/BP 1	---	---	
CI 74160	CI 74160 PT/BP 1	CI 74160 PT/BP 1	---	Blue 404 III	
CI 74260	CI 74260 PT/BP 2	CI 74260 PT/BP 2	---	---	
CI 77268:1	CI 77268 PT/BP 1 / E153	CI 77268 PT/BP 1	---	---	

Color Index	INCI & Regulations				Comments
	Europe	Chine	USA	Japan	
CI 77891	CI 77891 PT/BP 1 / E171	CI 77891 PT/BP 1	Titanium dioxide M/EA	Titanium dioxide I	
CI 77891	CI 77891 PT/BP 1	CI 77891 PT/BP 1	Titanium dioxide M/EA	Titanium dioxide I	
CI 77891	CI 77891 PT/BP 1 / E171	CI 77891 PT/BP 1 / E171	Titanium dioxide M/EA	Titanium dioxide I	
CI 77947	CI 77947 PT/BP 1	CI 77947 PT/BP 1	Zinc oxide M	Zinc oxide I	

Europe / China

USA

Japan

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.

M/EA : 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.
EXT/EA : for coloring externally applied cosmetics, including cosmetics intended for use in the area of the eye.
EXT** : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products), mouthwashes (including breath fresheners) and toothpastes.
EXT*** : for coloring externally applied cosmetics, for coloring cosmetic lip products (3% max in the finished cosmetic products).
B : for coloring the following cosmetics : eyeliner, brush-on-brow, eye shadow, mascara, lipstick, blushers and rouge, make-up and foundation, and nail enamel.

I. 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.

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

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