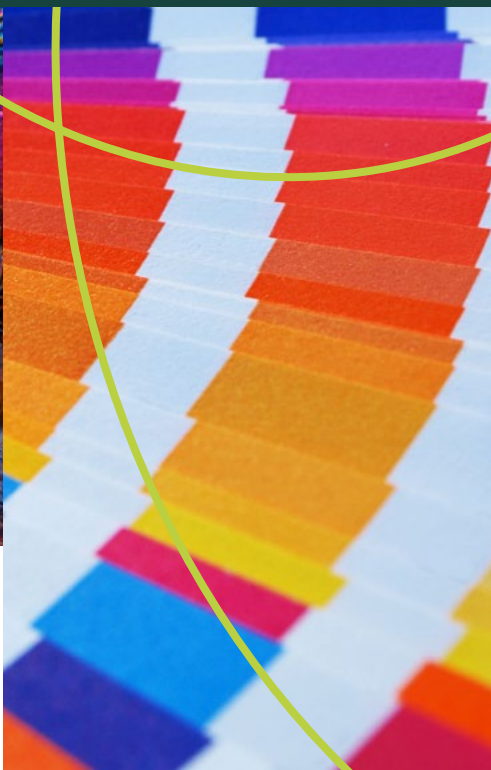


CATALOGUE



PIGMENTS & DYES

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- Fat-soluble dyes
- Solvent-soluble and water-soluble dyes
- Natural range for soaps

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- Aqueous pigment dispersions

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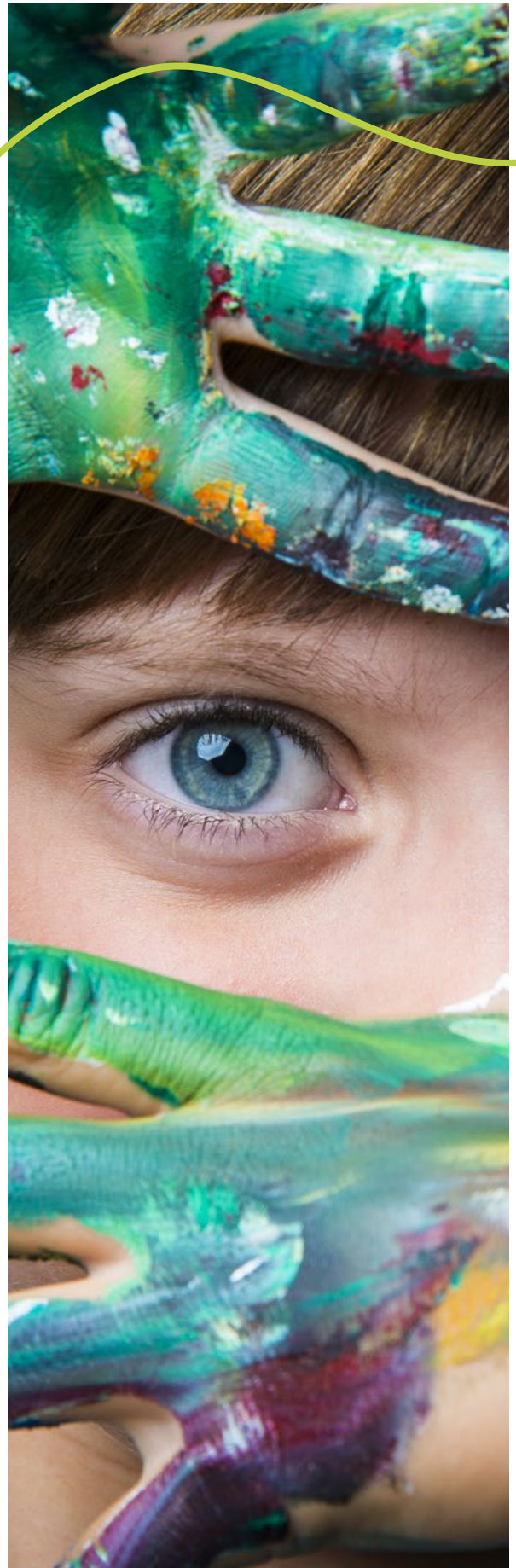
vidara.com

contact.colorey@vidara.com

+33 (0)4 78 57 88 89

Vidara
PARTNERING FOR LIFE

COLOREY
pigments et colorants





INTRO

EXPLORE OUR WORLD OF COLORS

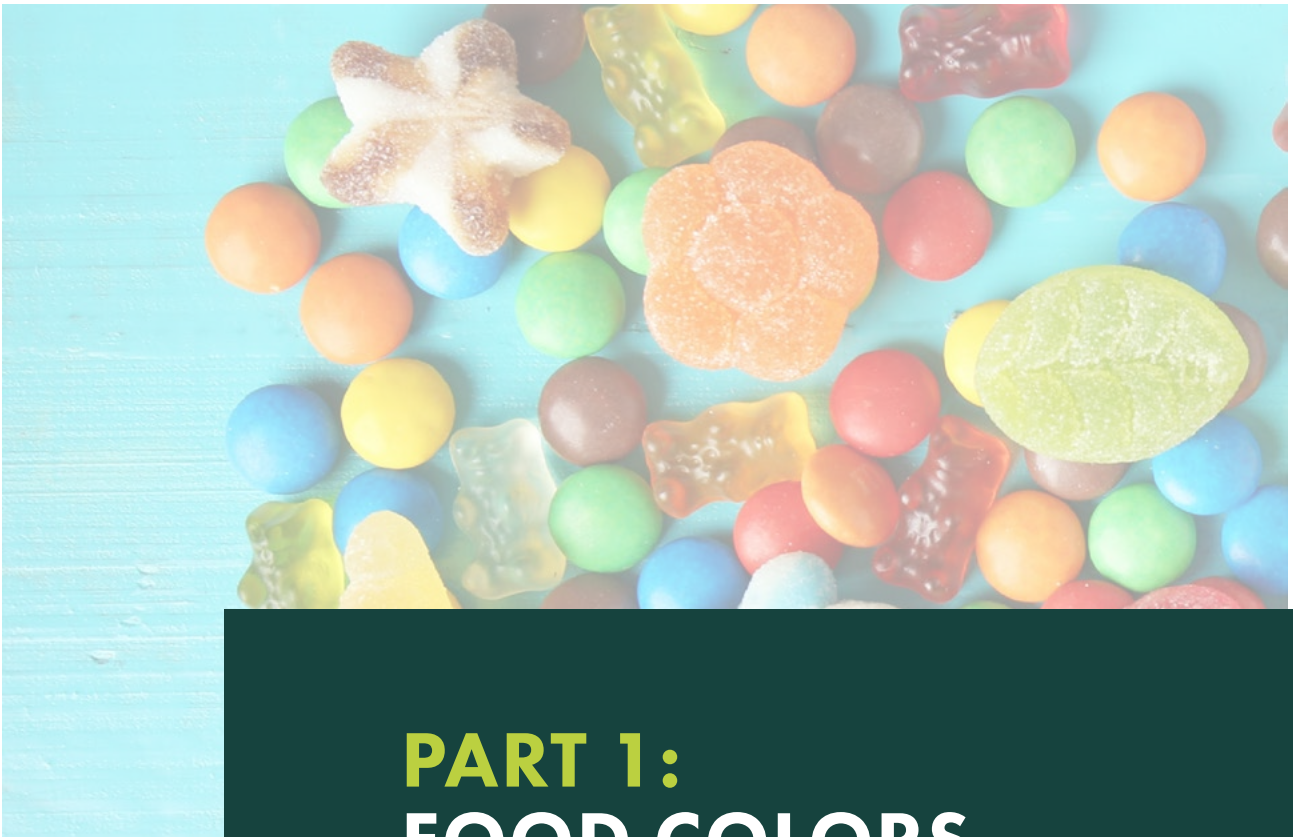
COLOREY SOLUTIONS

Our team of specialists enables us to meet our customers' needs by providing tailor-made, ready-to-use pigment and dye solutions.

Our color laboratory in France is dedicated to analyzing dyes and pigments across a wide range of applications, including detergents, plastics, paints, paper, cosmetics, and agri-food. We deliver customized support by assisting our customers and partners with formulation analysis and the control of pigment and dye mixtures.

Our Color Lab Capabilities

- Formulation of pigment concentrates in aqueous or fatty phases according to specifications (shades, standards, technical constraints)
- Screening of raw materials (pigments, colorants, formulation additives)
- Shade formulation/counter-typing
- Technical support



PART 1: **FOOD COLORS** **& PIGMENTS**

DYES

- Synthetic food colors (code E)
- Food colors from natural sources (code E)
- Vegetable food extracts

PIGMENTS

- Food pigments

FOOD MIXING AND PACKAGING

REGULATIONS BY PRODUCT

Our food colors & pigments can also be used in the detergent, ink, paper and cosmetics industries, as well as in hydrology (tracing or leak detection in drinking water networks).














DYES

Synthetic food colors (code E)

Synthetic food colors come in the form of water-soluble powders. They comply with the specifications for food additives set out in EU Regulation No. 231/2012 of 9/03/2012. Regulated use - Consult the legislation in force.

Most synthetic food colors are also available in the form of :










- Water-soluble granules
- Lake (= insoluble powders)
- "FDC" version (colors certified by the U.S. Food & Drug Administration)

COMMON NAME	COLOR INDEX	E.C. NO.	COLOR INDEX NO.	
Tartrazine	F.Y.4	E102	19140	
Jaune Quinoleine	F.Y.13	E104	47005	
Jaune Orange S	F.Y.3	E110	15985	
Carmoisine	FR.3	E122	14720	
Amarante	FR.9	E123	16185	
Rouge cochenille A, Ponceau 4R	FR.7	E124	16255	
Rouge allura AC	FR.17	E129	16035	
Erythrosine	FR.14	E127	45430	
Bleu patente V	F.BL.5	E131	42051	
Indigotine	F.BL.1	E132	73015	
Bleu brillant FCF	F.BL.2	E133	42090	
Vert S	FG.4	E142	44090	
Noir Brillant PN	F.BK.1	E151	28440	
Brun HT	F.BR.3	E155	20285	

Food colors from natural sources (code E)

Our colors are approved for food use and comply with the specifications for food additives set out in EU Regulation No. 231/2012 of 9/03/2012.

They are colorants of plant or animal origin (cochineal E120) obtained from natural sources that have been modified and concentrated by solvent extraction. They may be available in water-soluble, fat-soluble or dispersible form, depending on the reference.

COMMON NAME	E.C. NO.	
Curcumine	E100	
Riboflavine-5' Phosphate	E101	
Rocou, bixine, norbixine	E160b	
Carotènes	E160a/i/ii/iii/iii	
Acide carminique, carmins	E120	
Paprika	E160c	
Complexes cuivrques de chlorophyllines	E141	
Caramels	E150a/b/c/d	
Anthocyanes	E163	

COMMON NAME

Carthame

Jaune Safran

Carotte

Carotte noire

Radis

Betterave

Spiruline

Malt

Caramel



Vegetable food extracts

The plant extract is not modified: it is the plant selection that gives the color and the strength of the tint.

The color is obtained by mechanical extraction from plants, and is available in powder or liquid form. These food ingredients with coloring properties have no E code.

The plants can be extracts of red or black carrot, pumpkin, radish, beetroot or red cabbage etc.

Uses:

- Human food (drinks, confectionery, pastries, cold meats, etc.)
- Animal feed
- Detergents
- Inks
- Other: wood, paper, salt or moulding paste, textiles



PIGMENTS

Food pigments

Synthetic food pigments of mineral origin or vegetable charcoal comply with the specifications for food additives set out in **EU Regulation No. 231/2012** of 9/03/2012.

The pigments are insoluble, but miscible in all types of media; they are used in particular for coloring fatty media or dry powder mixtures.

We also offer **a wide range of food color lake** which, because they are insoluble, behave like pigments. These lakes, which are synthetic in origin, offer brighter colors than the natural pigments listed below.

COMMON NAME

Oxyde de fer jaune

Oxyde de fer rouge

Oxyde de fer brun

Oxyde de fer noir

Charbon végétal

Carbonate de calcium

TALC

E.C. NO.

E172

E172

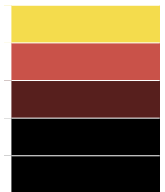
E172

E172

E153

E170

E553b



FOOD MIXING AND PACKAGING

Our blends of food colorings and pigments are processed in a dedicated area.

- Examples of colors available:
 - Strawberry, Raspberry, Grenadine red
 - Mint, Apple, Forest, Pistachio green
 - Egg yolk, lemon, pineapple
 - Light brown, dark brown
 - Lavender violet, Purple, Mauve
- Made-to-measure colors in a 1000-litre powder mixer.
- Preparation of powder colors with various ingredients (maltodextrin, sodium sulphate,).
- Packaging in bags of up to 25 kg on a checkweigher.
- Solubilisation of dyes in aqueous solution and packaging from 100 ml to 1000 litres.
- Mixing of liquid dyes in a 3000-litre double jacketed tank with temperature control.

Non-exhaustive list, please contact us.

All solubilisations are carried out using osmosis water, which ensures perfect demineralisation.

The bacteriological level is guaranteed by a UV flash just before the osmosis water is used in production. Bacteriological monitoring is carried out regularly.

Colorimetric conformity is monitored by laboratory control using a spectrophotometer.

REGULATIONS BY PRODUCT



The use of colors and pigments in the food industry is regulated and may be subject to restrictions on the use and dosage limits depending on the type of food ingredients.



PART 2: **COSMETIC DYES & PIGMENTS**

INTRODUCTION

LEGEND

COSMETIC DYES - PERSONAL CARE RANGE

- Water-soluble dyes
- Fat-soluble dyes
- Solvent-soluble and water-soluble dyes
- Natural range for soaps

COSMETIC PIGMENTS - PERSONAL CARE RANGE

- Organic pigments and dyes
- Aqueous pigment dispersions

COSMETIC PIGMENTS - MAKE-UP RANGE

- Organic pigments & lake
- Inorganic pigments
- Aqueous pigment dispersion
- Cosmetic pigments approved for children's toys
- Oily lipstick pastes

INTRODUCTION

In this section, you'll find some of our coloring matters authorised for coloring cosmetic products (in accordance with Regulation EC/1223/2009 of 30 November 2009 - Annex IV).

MAKE-UP RANGE

LIPS	Lipstick, Lip Gloss, Lip Balm
FACE	Blush, Face make-up
EYES	Mascara, Eyeliner, make-up pencil, Eye Shadow
NAILS	Nail paint



PERSONAL CARE RANGE

ORAL	Mouthwash, Toothpaste
HAIR	Gel, Oil, Hair color, Semi-permanent
BODY	Soap (gel, bar/solid, liquid), Cream and Fragrance



LEGEND

GENERAL

X	Not Authorized
M	Major Use
P	Small Use
NR	Not Recommended
NA	Not Applicable
-	No Data Available



USA USE - 21 CFR

A	Permit to color cosmetics in general, including cosmetic products intended for use in the eye area, in quantities consistent with current good manufacturing practice.
B	Permit to color cosmetic products for use in the eye area in quantities consistent with current good manufacturing practices
C	Permits for the coloring of cosmetics in general in quantities that comply with current good manufacturing practices
D	Permit for the coloring of externally applied cosmetic products in quantities consistent with current good manufacturing practices
E	Permitted for coloring externally applied products in an amount not exceeding 0.01% by weight of the finished cosmetic product
F	Permitted for coloring lip cosmetics in amounts not exceeding 3% of the total color by weight of the finished cosmetic product
G	Permit to color cosmetic products intended for use in the eye, face and nail area in quantities consistent with current good manufacturing practices

EUROPE USE - EC/1223/2006 & IS : 4707

1	The coloring agent is allowed in all cosmetic products
2	The coloring agent is allowed in all cosmetic products, except those intended for application around the eyes, in particular eye makeup and eye makeup remover
3	The coloring agent is allowed only for cosmetic products that are not intended to come into contact with mucous membranes
4	The coloring agent is allowed only for cosmetic products that are intended to come into contact with the skin only briefly
(a)	Maximum concentration of 3% in the finished product
(b)	Maximum concentration of 6% in the finished product
E - Nombre	E-104...Indicates that the product must comply with the purity of the corresponding product in the European Directive on Food Colours
**	Not allowed if considered as hair dye for hair coloring products in the EU since 2009

JAPAN USE / REFERENCE

(*)	These colors are allowed for products that are not supposed to be in contact with mucous membranes
------------	--

COSMETICS DYES - PERSONAL CARE RANGE

Water-soluble dyes

High-purity, water-soluble synthetic dyes that comply with EU Regulation No. 1223/2009 and/or the FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products.

The shades shown here are for guidance only; it is advisable to check the actual shade in the application environment.

Uses:

- Shower gels
- Shampoos, lotions, perfumes, creams...
- Detergents

Possibility of dissolving, color matching, made-to-measure packaging.

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	STABILITY TO			SHADE	
						PH	LIGHT	HEAT C (MAXIMUM)	DARK SHADE	LIGHT SHADE
19140	Food Yellow 4	A	FD&C Yellow 5	1 E-102	Yellow #4	3-11	6	210		
10316	Food Yellow 1	D	Ext. D&C Yellow 7	2	Yellow 403-1 (*)	3-9	5	200		
45360	Acid Yellow 73	D	D&C Yellow 8	1 (b)	Yellow #202-1	6-12	4	210		
47005	Food Yellow 13	C	D&C Yellow 10	X	Yellow #203	4-9	5	150		
47005	Food Yellow 13	X	-	1-E-104	Yellow #203	1-9	5	250		

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	STABILITY TO			SHADE	
						PH	LIGHT	HEAT C (MAXIMUM)	DARK SHADE	LIGHT SHADE
18965	Food Yellow 17	X	-	1	X	5-8	5	200		
15985	Food Yellow 3	C	FD&C Yellow 6	1 E-110	Yellow #5	1-9	6	210		
15510	Acid Orange 7	D	D&C Orange 4	2	Orange #205	1-10	4	250		
14720	Food Red 3	X	-	1 E-122	X	4-8	5	210		
16255	Food Red 7	X	-	1 E-124	Red #102	1-10	4	250		
16185	Food Red 9	X	-	1 E-123	Red #2	2-9	5	200		
14700	Food Red 1	D	FD&C Red 4	1	Red #504(*)	1-9	6	200		
45380	Acid Red 87	C	D&C Red 22	1	Red #230-1	5-9	4	250		
45410	Acid Red 92	C	D&C Red 28	1	Red #104-1	4-10	4	250		
17200	Acid Red 33	D & F	D&C Red 33	1	Red #227	5-8	4	210		
45100	Acid Red 52	X	-	4	X	2-12	6	250		
28440	Food Black 1	X	-	1 E-151	X	3-7	5	250		
60730	Acid Violet 43	D	Ext. D&C Violet 2	3	Violet #401(*)	1-10	5	250		
42053	Food Green 3	C	FD&C Green 3	1	Green #3	2-9	3	250		
61570	Acid Green 25	A	D&C Green 5	1	Green #201	1-12	6	200		
59040	Solvent Green 7	E	D&C Green 8	3	Green #204	6-9	3	210		
44090	Food Green 4	X	-	1 E-142	X	3-7	3	250		
42090	Food Blue 2	A	FD&C Blue 1	1 E-133	Blue #1	3-11	5	180		
73015	Food Blue 1	X	FD&C Blue 2	1 E-132	Blue #2	2-10	1	200		
42051	Food Blue 5	X	-	1 E-131	Blue #202	4-12	4	200		
42045	Acid Blue 1	X	-	3	X	5-12	5	200		
74180	Direct Blue 86	X	-	4	X	6-12	7	250		
61585	Acid Blue 80	X	-	4	X	1-12	4	150		
20470	Acid Black 1	X	-	4	Black #401(*)	1-10	5	150		

Fat-soluble dyes













High-purity, water-soluble synthetic dyes that comply with EU Regulation No. 1223/2009 and/or the FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products.

The shades shown here are for guidance only; it is advisable to check the actual shade in the application environment.

Uses:

- Coloring depilatory waxes
- Body oils
- Massage oils
- Candles, etc.

Possibility of dissolving, color matching, made-to-measure packaging.

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	PH	STABILITY TO		SHADE	
							LIGHT	HEAT C (MAXIMUM)	DARK SHADE	LIGHT SHADE
47000	Solvent Yellow 33	D	D&C Yellow 11	3	Yellow #204	NA	7	100		
12700	Solvent Yellow 16	X	-	4	X	NA	7	100		
26100	Solvent Red 23	D	D&C Red 17	3	Red #225	NA	7	100		
45410:1	Solvent Red 48	C	D&C Red 27	1	Red #218	NA	4	250		
60725	Solvent Violet 13	D	D&C Violet 2	1	Violet #201	NA	7	150		
61565	Solvent Green 3	D	D&C Green 6	1	Green #202	NA	7	100		



Solvent-soluble and water-soluble dyes

Synthetic dyes, soluble in hydroalcoholic media, complying with EU Regulation No. 1223/2009 and/or FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products. **The shades shown here are for reference only; it is advisable to check the actual shade in the application medium.**

Uses:

- Personal care products
- Detergents
- Home fragrances, etc.

Custom packaging available on request.

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	PH	STABILITY TO		SHADE	
							LIGHT	HEAT C (MAXIMUM)	DARK SHADE	LIGHT SHADE
42520	Basic Violet 2	X	-	4	X	3-8	5	100		

Natural range for soaps

Dyes of natural origin. Available in powder or liquid form, lipo- or water-soluble, depending on the product. **Note: It is advisable to check the local/national/international regulations in force for the cosmetic approval status of each reference.**

Uses:

- Solid soap (bars of soap)
- Liquid soap (washing gel, shower gel)

Custom packaging available on request.

PRODUCT NAME	STABILITY TO		
	PH	LIGHT	HEAT C (MAXIMUM)
Beta-carotene e160a(i) os liquid 30%	2.5 - 8	1	100°C
E150d liquid ammonium sulphide caramel	2.5 - 3.5	1	130°C
E141(i) os 4% chlorophyl copper complexes	N.A.	1	100°C
E141(ii) ws 95% chlorophyllin copper complexes	4 - 12	3	100°C
Curcumin e100 95%	Above pH 7, the color changes from yellow to orange	1	100°C
Curcumin e100 ws 25% powder	2 - 7	1	150°C
Paprika extract, capsanthene, capsorubin e160c os 100 000 uc liq	N.A.	1	100°C
Gardenia blue	4 - 8	1	150°C
Gardenia red	P.D.D.*	no information available	P.D.D.*
Gardenia jaune	6 - 9	2	150°C
Luteine e161b 10% (oléorésine)	N.A.	1	80°C



COSMETICS PIGMENTS - PERSONAL CARE RANGE























Organic pigments and dyes

Organic pigments and synthetic dye lake that comply with EU Regulation No. 1223/2009 and/or the FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products. **The shades shown here are for reference only; it is advisable to check the actual shade in the application environment.**

Uses:

- Dyes for personal care or household products

Customised packaging service available upon request.

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	STABILITY TO			SHADE	
						PH	LIGHT	HEAT C (MAXIMUM)	DARK SHADE	LIGHT SHADE
11680	Pigment Yellow 1	X	-	3	Yellow #401(*)	1-12	7	200		
15850	Pigment Red 57	C	D&C Red 6	1	Red #201	7-11	6	200		
15850:1	Pigment Red 57:1	C	D&C Red 7	1 E-180	Red #202	7-12	6	150		
73360	Pigment Red 181	C	D&C Red 30	1	Red #226	1-12	6	200		
15880:1	Pigment Red 63:1	D	D&C Red 34	1	Red #220	7-12	5	300		
12085	Pigment Red 4	D & F	D&C Red 36	1(a)	Red #228	1-12	6	150		
12490	Pigment Red 5	X	-	1	X	1-12	6	150		
51319	Pigment Violet 23	X	-	4	X	7	6	250		
74260	Pigment Green 7	X	-	2	X	1-12	7	280		
74160	Pigment Blue 15	X	-	1	Blue #404(*)	1-12	6	200		
74160	Pigment Blue 15	X	-	1	X	1-12	6	250		



Aqueous pigment dispersions

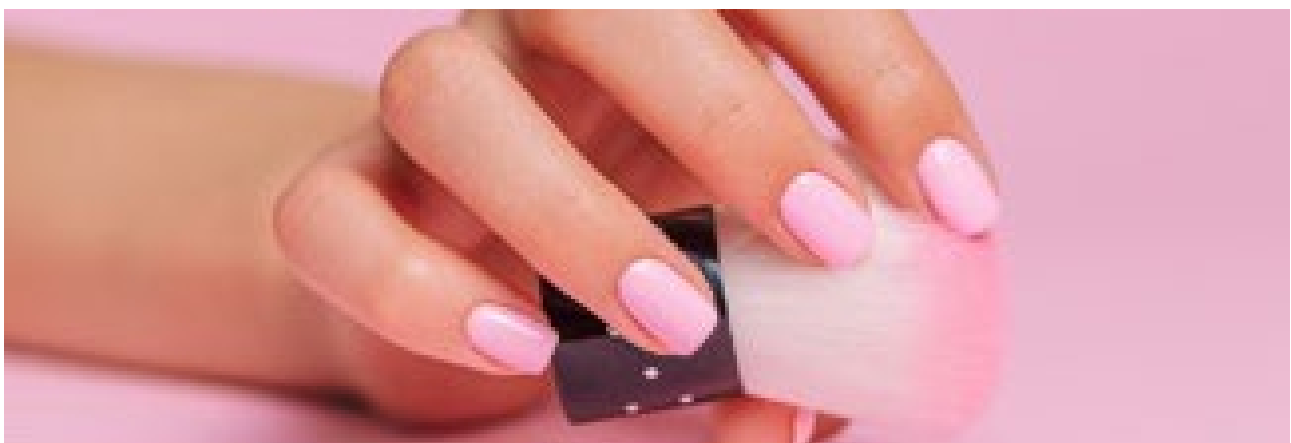
Aqueous pigment pastes that comply with EU Regulation 1223/2009 and/or FDA (21 CFR, USA) and/or Japanese cosmetics legislation. **The shades shown here are for reference only; it is advisable to check the actual shade in the application environment.**

Uses:

- Personal care products
- Detergents

Customised packaging service available upon request.

COLOR INDEX NO.	PRODUCT NAME	USA 21 CFR	COMMON NAME.	EC DIRECTIVE 1223/2009	JAPANESE REFERENCE	PH	STABILITY TO		HEAT C (MAXIMUM)	SHADE	
							LIGHT			DARK SHADE	LIGHT SHADE
15880:1	Pigment Red 63:1	D	D&C Red 34	1	Red #202	3-12	5	300			
74160	Pigment Blue 15	X	-	1	Blue #404(*)	1-12	6	200			
74160	Pigment Blue 15	X	-	1	-	3-12	6	200			
74260	Pigment Green 7	X	-	2	X	1-12	7	300			
11680	Pigment Yellow 1	X	-	3	Yellow #401	2-11	7	200			
12490	Pigment Red 5	X	-	1	X	1-12	7	150			
77266	Pigment Black 7	X	-	1	X	2-12	7	>300			
77007	Pigment Blue 29	B	-	1	-	5-12	7	200			
11680 + 45100	Pigment Orange	X	-	4	-	1-12	7	150			
73360	Pigment Roseum	C	-	1	Red #226	3-12	6	150			
77266	Pigment Black 7	G	-	1	X	1-12	7	>300			



COSMETICS PIGMENTS - MAKE-UP RANGE





































Organic pigments and lake

Organic pigments and synthetic dye lake that comply with EU Regulation No. 1223/2009 and/or the FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products. **The shades shown here are for reference only; it is advisable to check the actual shade in the application environment.**

Uses:

- Lipsticks
- Eyeshadow
- Varnishes, etc.

Customised packaging service available upon request.

COLOR INDEX NO.	TRADE NAME	USES IN USA					EC1223/ 2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21CFR			MASS TONE	TINT TONE
15850:2	D&C Red 6 Ba Lake	M	M	NR	X	C	1	X		
15850:2	D&C Red 6 Ba Lake	M	M	M	X	C	1	X		
15850:2	D&C Red 6 Ba Lake	M	M	M	X	C	1	X		
15850:2	D&C Red 6 Ba Lake	M	M	M	X	C	1	X		
15850	D&C Red 6 Na Salt	NR	NR	S	X	C	1	Red #201		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
15850:1	D&C Red 7 Ca Lake	M	M	M	X	C	1	Red #202		
45380:3	D&C Red 21 Al Lake	M	M	M	X	C	1	X		
45380:3	D&C Red 22 Al Lake	M	S	NR	X	C	1	Red #230(1)		
45410:2	D&C Red 27 Al Lake	M	M	M	X	C	1	X		

COLOR INDEX NO.	TRADE NAME	USES IN USA					EC1223/ 2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21CFR			MASS TONE	TINT TONE
45410:2	D&C Red 28 Al Lake	M	M	M	X	C	1	Red #104		
45410:1	D&C Red 27	M	M	M	X	C	1	Red #218		
73360	D&C Red 30	M	M	M	X	C	1	Red #226		
73360:1	D&C Red 30 Al Lake	M	M	M	X	C	1	Red #226		
73360:1	D&C Red 30 Talc Lake	M	M	M	X	C	1	Red #226		
17200:1	D&C Red 33 Al Lake	M	M	M	X	D	1	Red #227		
15880:1	D&C Red 34 Ca Salt	X	M	M	X	D	1	Red #220		
15880:1	D&C Red 34 Ca Lake	X	M	M	X	D	1	Red #220		
12085	D&C Red 36	M	M	M	X	D & F	1(a)	Red #228		
16035:1	FD&C Red 40 Al Lake	M	M	M	M	A	1E-129	X		
16035:1	FD&C Red 40 Al Lake	M	M	M	M	A	1E-129	X		
16035:1	FD&C Red 40 Al Lake Extra HS	M	M	M	M	A	1E-129	X		
19140:1	FD&C Yellow 5 Al Lake	M	M	M	M	A	1E-102	Yellow #4		
19140:1	FD&C Yellow 5 Al Lake	M	M	M	M	A	1E-102	Yellow #4		
19140:1	FD&C Yellow 5 Al Lake	M	M	M	M	A	1E-102	Yellow #4		
15985:1	FD&C Yellow 6 Al Lake	M	M	M	X	C	1E-110	Yellow #5		
15985:1	FD&C Yellow 6 Al Lake	M	M	M	X	C	1E-110	Yellow #5		
15985:1	FD&C Yellow 6 Al Lake Extra HS	M	M	M	X	C	1E-110	Yellow #5		
47005:1	D&C Yellow 10 Al Lake	M	M	M	X	C	X	Yellow #203		
42090:2	FD&C Blue 1 Al Lake	M	M	M	M	A	1E-133	Blue #1		
42090:2	FD&C Blue 1 Al Lake	M	M	M	M	A	1E-133	Blue #1		
47005:1	Quinoline Yellow Lake	X	X	X	X	X	1 E-104	Yellow #203		
28440:1	Black PN Lake	X	X	X	X	X	1 E-151	X		
42051:1	Blue V Lake	X	X	X	X	X	1 E-131	-		
45430:1	Erythrosine Lake	X	X	X	X	X	1 E-127	-		
45100	Evelyn Lake	X	X	X	X	X	4	X		

Inorganic pigments

Inorganic pigments, in compliance with EU Regulation 1223/2009 and/or FDA (21 CFR, USA) and/or Japanese cosmetics legislation. **The shades shown here are for reference only; it is advisable to check the actual shade in the application environment.**

Uses:

- Foundation
- Eye shadow
- Mascara

Custom packaging service available on request.

COLOR INDEX NO.	TRADE NAME	USES IN USA					EC1223/2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21 CFR			MASS TONE	TINT TONE
77491	Red Iron Oxide	M	M	M	M	A	1	-		
77492	Yellow Iron Oxide	M	M	M	M	A	1	-		
77499	Kuku / Black Iron Oxide	M	M	M	M	A	1	-		
77491 77492 77499	Brown (Light)	M	M	M	M	A	1	-		
77491 77492 77499	Brown (Medium)	M	M	M	M	A	1	-		
77491 77492 77499	Dark Brown FG 100	M	M	M	M	A	1	-		
77491 77492 77499	Chocolate Brown	M	M	M	M	A	1	-		
77007	Aasmani / Ultramarine Blue	X	S	M	M	B	1	Ultra marine		
77007	Ultramarine Pink	X	S	NR	M	B	1	-		
77007	Ultramarine Violet	X	S	NR	M	B	1	-		
77742	Manganese Violet	M	M	M	M	A	1	-		
77288	Chromium Oxide Green	M	M	M	M	B	1	-		
77289	Chromium Hydroxide Green	M	M	M	M	B	1	-		
77510	Ferric Ammonium Ferrocyanide / Iron Blue	NR	M	M	M	D	1	-		
77891	Titanium Dioxide	M	M	M	M	D	1	-		
77266	Carbon Black	X	X	X	X	X	1	-		
77266	D&C Black 2	M	M	M	M	G	1	-		

Aqueous pigment dispersion

Aqueous carbon black dispersion, complies with EU Regulation No. 1223/2009 and the FDA (21 CFR, USA).

Uses:

- Mascara formulation
- Eye liner formulation





















Custom packaging service:
please contact us.











COLOR INDEX NO.	TRADE NAME	USES IN USA					EC1223/2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21 CFR			MASS TONE	TINT TONE
77266	Dispersion	X	X	X	M	G	1	-		

Cosmetic pigments approved for children's toys

Organic or mineral pigments & synthetic dye lake, compliant with toy standard EN71-3, with low levels of barium and aluminium. These references also comply with EU Regulation 1223/2009 and/or FDA (21 CFR, USA) and/or Japanese legislation on cosmetic products. **The shades shown here are for reference only; it is advisable to check the actual shade in the application environment.**

Custom packaging service
available on request.

COLOR INDEX NO.	TRADE NAME	USES IN USA					EC1223/2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21 CFR			MASS TONE	TINT TONE
15850:1	D&C Red 7 Sel de calcium	M	M	M	X	C	1	Red #202		
73360	D&C Red 30	M	M	M	X	C	1	Red #226		
15880:1	D&C Red 34 Sel de calcium	X	M	M	X	D	1	Red #220		
12085	D&C Red 36	M	M	M	X	D&F	1(a)	Red #228		
77510	Ferric Ammonium Ferrocyanide / Iron Blue	NR	M	M	M	D	1	-		
11680	Revolutum	X	X	X	X	X	3	Yellow #401 (*)		
12490	Zuni	X	X	X	X	X	1	X		
74260	Decorum	X	X	X	X	X	2	X		
74160	Belmont	X	X	X	X	X	1	Blue #404 (*)		
19140:1	D&C Yellow 5 Zr Lake	X	X	X	X	P	P	-		

COLOR INDEX NO.	TRADE NAME	USES IN USA						EC1223/ 2009 / IS:4707	JAPANESE REFERENCE	SHADE	
		LIPSTICK	FACE MAKEUP	NAIL LAKE	EYE MAKEUP	21CFR	MASS TONE			TINT TONE	
15985:2	D&C Yellow 6 Zr Lake	X	X	X	X	P	P	-			
45410:2	D&C Red 27 Zr Lake	X	X	X	X	P	P	-			
42090:3	D&C Blue 1 Zr Lake	X	X	X	X	P	P	-			
16035:2	D&C Red 40 Zr Lake	X	X	X	X	P	P	-			
47005:2	Quinoline Yellow Zr Lake	X	X	X	X	X	P	-			

Oily lipstick pastes














Ready-to-use dispersions of pigments (organic or mineral or lake) in castor oil.

The shades shown here are for reference only; it is advisable to check the actual shade in the medium of application.

Uses:

- Lipsticks
- Glosses, etc.

Custom packaging service available on request.

COLOR INDEX NO.	PRODUCT NAME	PIGMENT CONTENT	
15850:1	Elegans paste CO-001	15-21%	
45410:2	Lilac paste CO-002	30-36%	
19140:1	Yellow paste CO-003	30-36%	
77891	Chaadni paste CO-004	45-51%	
77499	Kuku paste CO-005	45-51%	
42090:2	Blue paste CO-006	30-36%	
45380:3	Carlotta paste CO-007	30-36%	
15985:1	Orange paste CO-008	30-36%	
15850:2	Flamingo paste CO-009	27-33%	
12085	Cathay paste CO-013	27-33%	
15880:1	Glory paste CO-014	27-33%	
77492	Sooraj paste CO-015	25-29%	
77491	Laal paste CO-016	46-50%	
77266	Neelilip paste CO-017	13-17%	



PART 3: **INDUSTRIAL DYES & PIGMENTS**

DYES

- Basic dyes
- Acid dyes
- Solvent dyes
- Dyes for fatty media and thermoplastics
- Direct dyes

PIGMENTS

- Organic pigments
- Mineral pigments
- Solupoudres
- Fluorescent & phosphorescent pigments
- Glitter - pearlescent - metallic powders

PIGMENT PASTES

- Aqueous pigment pastes
- Universal pigment pastes
- Oily pigment pastes

COLORED INDICATORS

- pH indicators
- Other indicators

MIXTURES / PACKAGING



DYES

In this section, you'll find our different ranges of "industrial" quality dyes, with a wide range of colors, for all types of media (water, oils, solvents, plastics), and for a wide variety of applications.

Basic dyes

Also known as "**cationic dyes**", basic dyes are soluble in water and alcohols. They have high tinting strength and bright colors, but are generally not very UV-resistant.

Uses:

- Textiles
- Leather and skins
- Paper and wood
- Inks
- Varnishes
- Plant protection products
- Flowers and foliage

	PRODUCT NAME	COLOR INDEX NO.	
B.BL.26	Bleu victoria BN Conc.	44045	
B.BL.9	Bleu méthylène 2B Conc. (zinc free)	52015	
B.BL.9	Bleu méthylène 2BZ Conc. (Chlorozincate)	52015	
B.BL.9	Bleu méthylène 2BZ-NP Conc. (non poussiéreux)	52015	
B.G.1	Vert brillant cristaux	42040	
B.G.4	Vert malachite cristaux	42000	
B.G.4	Vert malachite poudre	42000	
B.Y.2 A	Auramine O Conc.	41000	
B.O.2	Chrysoïdine JN Conc.	11270	
B.R.1	Rhodamine 6G	45160	
B.Br.4	Brun bismark R	21010	
B.V.1	Violet méthyle 2B	42535	
B.V.10	Rhodamine B Conc. 500%	45170	
B.V.10	Rhodamine B liquide	45170	
B.V.14	Fuchsine poudre	42510	





Acid dyes

Also known as "anionic dyes", acid dyes are soluble in water and glycols. Their resistance to light varies from excellent to mediocre, depending on the reference. Some dyes have good stability in highly alkaline media.

Uses:

- Textile dyeing (wool, polyamide, silk)
- Leather and skins
- Feathers
- Aqueous inks
- Detergents
- Paper
- Wood
- Hydrology

	PRODUCT NAME	COLOR INDEX NO.	
A.BL.1	Bleu Patente VN 200%	2045	
A.BL.62	Bleu acide 2R 200%	62045	
A.BL.7	Bleu acide AS	42080	
A.BL.80	Bleu pour Alkali 150%	61585	
A.BL.9	Bleu acide 9 pur	42090	
A.BL.93	Bleu de Methylene	42780	
A.BL.83	Bleu acide 2BR	42660	
A.G.25	Vert Alizarine solide G 6	1570	
A.G.1	Vert acide B	10020	
A.G.16	Vert pur acide NG Haute Conc.	-	
SV.G.7	Jaune pyramide G (Pyramine)	59040	
A.BK.107	Noir acide BLN Conc.	-	
A.BK.2	Nigrosine water soluble cristaux	50420	
A.BK.24	Noir acide br 125%	26370	
A.Y.17	Flavine acide 3G Conc.	18965	
A.Y.250	Jaune Fluorescent acide 10G	-	
A.Y.36	Jaune metanile 13065	42780	
A.Y.73	Fluoresceine SN Conc.	45350	
A.O.10	Orange acide G	16230	
A.O.33	Orange acide GSN	24780	
A.O.7	Orange II	15510	
A.R.1	Rouge acide G	18050	
A.R.249	Acide Red 249	18134	
A.R.52	Sulphorhodamine B Conc.	45100	
A.R.57	Rouge acide 3GP Conc.	17053	
A.R.73	Rouge acide JR 200%	27290	
A.R.87	Eosine YB	45380	
A.R.92	Phloxine acide B	45410	
A.R.50	Sulphorhodamine G	45220	
A.BR.75	Brun acide CR	34905	
A.Br.113	Brun foncé acide 113	-	
A.V.17	Violet brillant Foulon 2BR	42650	
A.V.48	Violet acide FBL 180%	-	

Solvent dyes

Solvent dyes are soluble in most organic solvents: ketones, alcohols, esters, acetates, aromatic solvents, etc. They produce bright, transparent and brilliant colors, with generally good thermal stability and lightfastness.

Uses:

- Varnishes
- Resins
- Lake
- Solvents
- Inks
- Wood
- Leather
- Hides

	PRODUCT NAME	COLOR INDEX NO.	
SV.BL.45	Bleu pour solvant 45 EMP	-	
SV.BL.67	Bleu pour solvant GN	-	
SV.BL.70	Turquoise pour solvant G	-	
SV.BL.97	Bleu pour solvant 97 EMP	615290	
Mixture	Vert pour solvant 2G	-	
Mixture	Vert pour solvant 575	-	
SV.G.28	Vert pour solvant 28 EMP	625580	
SV.BK.27	Noir pour solvant RC-R	-	
SV.BK.29	Noir pour solvant 29 EMP	-	
SV.BK.5	Nigrosine soluble alcool	50415	
SV.BK.7	Noir pour solvant 7	50145:1	
SV.Y.114	Jaune pour solvant 114 EMP	47020	
SV.Y.12	Solvant jaune 12	11860	
SV.Y.141	Jaune pour solvant 141 EMP	-	
SV.Y.21	Solvant jaune 21	18690	
SV.Y.62	Jaune pour solvant 2RLS	-	
SV.Y.82	Jaune pour solvant 2RNN	-	
SV.O.105	Solvant orange 105	11227	
SV.O.107	Orange pour solvant 107 EMP	-	
SV.O.54	Orange pour solvant 251	-	
SV.O.62	Orange pour solvant R	12714	
SV.O.86	Solvant orange 86	58050	
SV.O.99	Orange pour solvant 272	-	
SV.R.122	Ecarlate solvant G	-	
SV.R.127	Rose pour solvant 6B	-	
SV.R.179	Rouge pour solvant 179 EMP	564150	
SV.R.8	Rouge pour solvant 2BR	12715	
SV.R.89	Rouge feu pour solvant G	-	
SV.R.119	Rouge pour solvant 355	-	
Mixture	Brun pour solvant G	-	

Dyes for fatty media and thermoplastics

The range of dyes for "Oily media" is used in waxes, polishes, cleaning products, candles, oils, petroleum products, solvents, plastics, where high thermal resistance is not required (<200°C), smoke, etc.


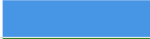









The "Thermoplastics" range of dyes is reserved for thermoplastics: Polystyrene, ABS, polycarbonate, SAN, PMMA, etc., where very good light fastness, high thermal stability (>250°C) and good weather resistance are required.

A number of references are fluorescent and widely used in the toy industry.
















Uses:

- Plastics
- Waxes, oils, lubricants
- Hydrocarbons

THERMOPLASTICS

	PRODUCT NAME	COLOR INDEX NO.	
SV.BL.104	Bleu pour Thermoplastic 2B	61568	
SV.BL.36	Bleu pour thermoplastic A	61551	
SV.G.5	Or vert fluorescent pour thermoplastic	59075	
SV.Y.93	Jaune pour thermoplastic 93	48160	
SV.Y.98	Jaune florescent pour thermoplastic 3G	56238	
SV.O.63	Orange fluorescent pour thermoplastic 2G	68550	
SV.O.60	Orange pour thermoplastic 3G	564100	
SV.R.111	Rouge pour thermoplastic 111	60505	
SV.R.41	Rouge fluorescent pour thermoplastic 5B	73300	
SV.R.135	Rouge pour thermoplastic G	564120	
SV.V.13	Violet pour thermoplastic B	60725	
F.B.184	Azurant optique OB	-	

FATTY MEDIA




	PRODUCT NAME	COLOR INDEX NO.	
SV.BL.35	Bleu pour gras G	61554	
Mixture	Vert pour gras M	-	
SV.G.3	Vert pour gras G	61565	
-	Vert menthe pour gras	8020 -	
SV.BK.3	Noir pour gras 2B	26150	
SV.Y.16	Jaune pour gras 3G	12700	
SV.Y.33	Jaune pour gras TP	47000	
SV.Y.56	Jaune pour gras 150E	11021	
SV.Y.14	Orange pour gras R	12055	
-	Orange pour gras M	-	
SV.R.23	Rouge pour gras 2R	26100	
SV.R.27	Rouge pour gras 5B	26125	
SV.R.3	Brun pour gras B	12010	
SV.R.1	Vermillon pour gras G	12150	
SV.R.24	Rouge pour gras 2B	26105	

Direct dyes

Direct dyes are water-soluble. They are brightly colored and generally lightfast.

Uses:

- Textiles: Viscose, cotton
- Paper
- Wood
- Inks, etc.

	PRODUCT NAME	COLOR INDEX NO.	
D.BL.86	Turquoi direct lumière GL Conc.	74180	
D.Y.28	Jaune direct lumière FFL n350%	19555	
D.V.51	Violet direct lumière BB 200%	27905	



PIGMENTS

This section presents our different ranges of powder pigments (pure / uncut pigments), of mineral or organic origin, with a wide range of colors, for a variety of applications:

- Paints
- Varnishes
- Plastics
- Paper
- Inks
- Textile printing
- Cement / plaster

By definition, **pigments are miscible, but insoluble**, whatever the medium in which they are incorporated (water, oil, solvent...). As a result, they need to be carefully ground so that they can disperse evenly in the chosen medium, thereby maximising their coloring power.

We also offer a '**Solupoudre**' range of '**ready-to-use**' pigments for aqueous media, in the form of fine, fluid granules that are very easy to disperse without grinding. These pigments have been ground in an aqueous base, then dehydrated and formed into microbeads 0.3 mm in diameter.

Organic pigments

Organic pigments are insoluble powders. After careful grinding, they produce vivid, luminous, transparent colors with high tinting strength. Phthalocyanine pigments have very good light fastness; for other organic pigments, UV fastness is generally good to average, depending on the references.

Uses:

- Paints
- Varnishes
- Plastic materials
- Paper
- Inks
- Textile printing

	PRODUCT NAME	COLOR INDEX NO.	
P.BL.15:0	Bleu Phtalofast 15:1	74160	
P.BL.15:1	Bleu Phtalofast B	74160	
P.BL.15:3	Bleu Phtalofast G	74160	
P.G.7	Vert phtalofast GN	74260	
P.BK.7	Noir de Carbone CN	77266	
P.Y.1	Jaune solide G	11680	
P.Y.13	Jaune pigment 13	21100	
P.Y.14	Jaune solide 14G	21095	
P.Y.155	Jaune pigment 155	200310	
P.Y.3	Jaune citron pigment 3	11710	
P.Y.55	Jaune pigment 55	21096	
P.O.13	Orange solide 13G	21110	
P.R.112	Pigment rouge 112	12370	
P.R.122	Rose solide EB 122	73915	
P.R.170	Rouge solide F5RK	12475	
P.R.177	Rouge pigment 177	65300	
P.R.3	Ecarlate solide RN	12120	
P.R.48:2	Rouge pigment 48:2	15865:2	
P.R.48:4	Rouge solide FVL	15865:4	
P.R.53:1	Rouge laque C	15585:1	
P.R.57:1	Rubis Lithol BK	15850:1	
P.R.5	Carmin solide FB	12490	
P.V.23	Violet solide RL-R	51319	

Mineral pigments

Mineral pigments are insoluble powders. After rapid grinding, they produce natural colors with excellent resistance to light and weathering, hence their use in paints and façade coatings in particular. Unlike organic pigments, mineral pigments offer less vivid colors, with lower tinting strength, but better opacity.

Uses:


- Paints
- Concrete
- Cement
- Plaster
- Plasters

	PRODUCT NAME	COLOR INDEX NO.	
P.V.15	Violet outremer 11C	77007	
P.R.259	Rose outremer 19C	77007	
P.BL.29	Bleu outremer 54	77007	
P.BL.29	Bleu outremer 25	77007	
P.BL.28	Bleu royal cobalt	77346	
P.BL.27	Bleu de Prusse	77520	
P.G.23	Terre Verte	77009	
P.G.17	Vert oxyde de chrome GN	77288	
P.R.108	Bordeaux cadmium	77202	
P.R.108	Ecarlate cadmium	77202	
P.R.108	Rouge cadmium	77202	
P.Y.35	Jaune citron cadmium	77205	
P.Y.35	Jaune vif cadmium	77205	
P.Y.35	Jaune or cadmium	77205	
P.Br.24	Brun titanate de Nickel	77310	
P.R.101	Rouge oxyde de fer 160	77491	
P.R.101	Rouge oxyde de fer transparent	77491	
P.R.101	Rouge oxyde de fer 110	77491	
P.R.101	Rouge oxyde de fer 130	77491	
P.Y.42	Jaune oxyde de fer transparent	77492	
P.Y.42	Jaune oxyde de fer 920	77492	
P.Y.43	Ocre jaune	77492	
P.Y.43	Terre de Sienne naturelle	77492	
P.BK.11	Noir oxyde de fer CN	77499	
P.Y.53	Jaune Titanate	77788	
P.W.6	Dioxyde de titane rutile	77891	
-	Ocre rouge	77015-77491-77538	
-	Terre de Sienne calcinée	77015-77491-77538	
P.BR.6	Brun oxyde de fer	660 77491-77499	
P.BR.6	Brun oxyde de fer CN	77491-77499	
PR.101 + P.Y.42	Orange oxyde de fer 960	77491-77492	
-	Terre d'Ombre naturelle	-	
-	Terre d'Ombre naturelle	-	



Solupoudres

The pigments in the Solupoudre range come in the form of fine, free-flowing granules with a low powder content. Ready-to-use, they can be mixed directly into aqueous formulations. Their maximum coloring power is obtained instantly by simply mixing them, without grinding.

	PRODUCT NAME	OBSERVATION	
P.BI.15:3	Solupoudre bleu 7080	Phthalocyanine	
P.BI.28	Solupoudre bleu 6310	Cobalt	
P.G.17	Solupoudre vert 9990	Oxyde de chrome	
P.G.7	Solupoudre vert 8730	Phthalocyanine	
P.BK.11	Solupoudre noir 0050	Noir oxyde de fer	
P.BK.7	Solupoudre noir 0066	Noir de carbone	
P.Y.138	Solupoudre jaune 0962	-	
P.Y.184	Solupoudre jaune 1130	-	
P.Y.42	Solupoudre jaune 1916	Oxyde de fer transparent	
P.Y.42	Solupoudre jaune 1990	Oxyde de fer opaque	
P.Y.74	Solupoudre jaune 1256	-	
P.O.67	Solupoudre orange 2930	-	
P.R.101	Solupoudre rouge 2817	Oxyde de fer transparent	
P.R.122	Solupoudre rouge 3855	-	
P.R.254	Solupoudre rouge 3860	-	
P.R.101	Solupoudre rouge 3390	Oxyde de fer opaque	
P.R.122	Solupoudre magenta 4790	-	
P.R.101	Solupoudre brun 2915	Oxyde de fer semi-transparent	
P.V.23	Solupoudre violet 5895	-	
P.W.6	Solupoudre blanc 0025	Dioxyde titane rutilé	



Fluorescent & phosphorescent pigments





Fluorescent pigments = pigments that are brightly colored in daylight and fluoresce under a UV lamp ("black light"). Fluorescent pigments in powder form are highly heat-stable and have minimal color variations with temperature.

Phosphorescent pigments = pigments that charge in daylight and re-emit a phosphorescence in the dark.




Uses:

- Paints
- Concrete
- Cement
- Plaster
- Plasters

FLUORESCENT PIGMENTS

PRODUCT NAME	COLORS	
Pigment fluorescent Bleu C-FF	Blue	
Pigment fluorescent Rose C-FF	Pink	
Pigment fluorescent Cerise C-FF	Cerise	
Pigment fluorescent Jaune C-FF	Yellow	
Pigment fluorescent Magenta C-FF	Magenta	
Pigment fluorescent Orange jaune C-FF	Orange Yellow	
Pigment fluorescent Orange rouge C-FF	Orange Red	
Pigment fluorescent Rouge C-FF	Red	
Pigment fluorescent Vert C-FF	Green	
Pigment fluorescent Violet C-FF	Violet	

PHOSPHORESCENT PIGMENTS

PRODUCT NAME	COLORS	
Pigment phosphorescent	Blue	
Pigment phosphorescent	Red	
Pigment phosphorescent	Green	

Glitter - pearlescent - metallic powders

There are different types of glitter: aluminium, metallic, hologram and rainbow. We offer models in several sizes and colors.

Pearls are inorganic pigments of mineral origin. Widely used in decoration and jewellery, mother-of-pearl allows for countless shading effects depending on the surface and the light.

Uses:

- Paints
- Varnishes
- Decoration
- Printing ink
- Plastic materials

PRODUCT NAME

Copper powder	
Silver Glitter	
Black Glitter	
Golden Glitter	
Blue Glitter	
Red Glitter	
Magenta Glitter	
Green Glitter	

PIGMENT PASTES


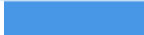


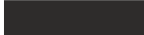
















It's easy to use without grinding, and we can produce colors from the RAL color chart.
We can also match your pigment pastes or create pigment pastes to your specifications.

Aqueous pigments pastes

Pigment pastes based on organic or mineral pigments, ground and dispersed in an aqueous base, for quick and easy incorporation into all types of surfaces. **The pigment pastes in this range comply with toy standard EN71-3 (heavy metal content).** RAL colors available on request: please contact us.

Packaging:
 We can deliver in drums or containers.

- Uses:
- Water-based paints, gouaches, watercolors, etc.
 - Water-based resins
 - Wood, paper
 - Concrete, plaster, cement, coatings (mainly for mineral pigments, which have excellent light and weather resistance)

COLOR INDEX	PRODUCT NAME	
P.BL.15:0	Pâte pigmentaire bleu W-150 HC VF	
P.BL.153	Pâte pigmentaire bleu W-153 VF	
P.G.17	Pâte pigmentaire vert W-17 VF	
P.G.7	Pâte pigmentaire vert W-7 VF	
P.BK.7	Pâte pigmentaire noir W-7 VF	
P.Y.1	Pâte pigmentaire jaune W-1J	
P.Y.14	Pâte pigmentaire jaune W-14 VF	
P.Y.83	Pâte pigmentaire jaune W-83 VF	
P.Y.184	Pâte pigmentaire jaune W-184 VF	
P.Y.3	Pâte pigmentaire jaune W-3 VF	
P.Y.42	Pâte pigmentaire jaune W-42 VF	
P.Y.74	Pâte pigmentaire jaune W-74 VF	
P.O.5	Pâte pigmentaire orange W-5 VF	
P.O.64	Pâte pigmentaire orange W-64 VF	
P.R.101	Pâte pigmentaire rouge W-101 VF	
P.R.112	Pâte pigmentaire rouge W-112 VF	
P.R.122	Pâte pigmentaire rouge W-122 VF	
P.R.254	Pâte pigmentaire rouge W-254 VF	
P.BR.6	Pâte pigmentaire brun W-6 VF	
P.V.23	Pâte pigmentaire violet W-23 VF	
P.W.6	Pâte pigmentaire blanc W-6 VF	
















Universal pigment pastes

Pigment pastes, based on organic or mineral pigments, ground and dispersed in a universal base, for quick and easy incorporation into all types of substrates, whether water-based or solvent-based. **RAL colors available on request: please consult us.**

Uses:

- Industrial floor resins

COLOR INDEX	PRODUCT NAME	COLOR INDEX NO.	
P.BL.15 :3	Pâte pigmentaire bleu U-153 FS	74160	
P.G.7	Pâte pigmentaire vert U-7 FS	74260	
P.BK.7	Pâte pigmentaire noir U-7 FS	77266	
P.Y.74	Pâte pigmentaire jaune U-74 FS	11741	
P.Y.42	Pâte pigmentaire jaune U-42 FS	77492	
P.R.112	Pâte pigmentaire rouge U-112 FS	12370	
P.R.101	Pâte pigmentaire rouge U-101 FS	77491	
P.R.122	Pâte pigmentaire rouge U-122 FS	73915	
P.V.23	Pâte pigmentaire violet U-23 FS	51319	
P.W.6	Pâte pigmentaire blanc U-6 FS	77891	
-	Pâte pigmentaire bleu fluorescent U	-	
-	Pâte pigmentaire jaune fluorescent U	-	
-	Pâte pigmentaire vert fluorescent U	-	


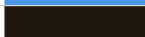




Oily pigment pastes

Pigment pastes are obtained from mineral or organic pigments, dispersed and ground in cosmetic-grade paraffin oil. They are easily and quickly incorporated into fatty acid solutions. **On request, we can offer other Color Index or RAL shades as well as other types of oils (rapeseed, sunflower...).**

Uses:

- Coloration on wood products, fertilizers, seed coating in waxes and fatty acid solutions

Grinding in batches of 200 kg to 3000 kg. Tailor-made colors and tailor-made packaging are available.

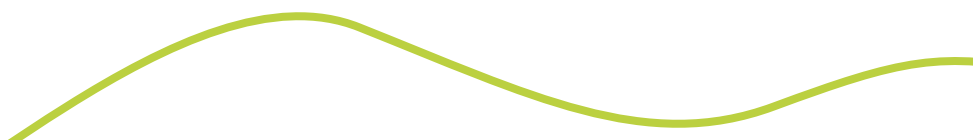
COLOR INDEX	PRODUCT NAME	COLOR INDEX NO.	
P .BL.15 :0	Pâte pigmentaire bleu O-153 CO	74160	
P.BK.7	Pâte pigmentaire noir O-7 CO	77266	
P.V.7	Pâte pigmentaire vert O-7 CO	74260	
P.R.57 :1	Pâte pigmentaire rouge O-571 CO	15850:1	
P.Y.42	Pâte pigmentaire jaune O-42 CO	77492	
PP.W.6	Pâte pigmentaire blanc O-6 CO	177891	

COLOR INDICATORS

pH indicators

This table lists our colored indicators and their transformation zones. The choice of color indicator is determined by its conversion range. It can be used to perform assays and give an indication of pH.

INDICATOR	COLOR (ACID)	MELTING POINT	COLOR (BASE)
Bleu de bromothymol	Pink Red	0.0	Yellow
Thymolphthaleine	Colorless	9.3 - 10.5	Blue
Rouge de cresol 1ère transition	Red	0.0-1.0	Yellow
Violet crystal poudre	Yellow	0.0-1.6	Blue Violet
Vert malachite poudre 1ère transition	Yellow	0.2-1.8	Blue Green
Alizarine	Red	1.0-12.4	Blue Violet
Bleu de thymol - 1ère transition	Red	1.2 - 2.8	Yellow
Bleu de bromophenol	Yellow	3.0 - 4.6	Violet
Rouge congo	Blue	3.0 - 5.2	Red
Rouge phenol	Yellow	6.6-8.0	Red
Vert bromocresol	Yellow	3.8 - 5.4	Blue
Rouge methyle	Red	4.2 - 6.3	Yellow
Carmin d'indigo (indigotine e132)	Blue	11.4-13.0	Yellow
Bleu de bromothymol - 2ème transition	Yellow	6.0 - 7.6	Blue
Phenolphthaleine	Colorless	8.2 - 10.0	Pink
Bleu de thymol	Yellow	8.0 - 9.6	Blue
Vert de malachite - 2ème transition	Blue Green	11.5 - 13.2	Colorless





Other indicators

The other indicators have more specific uses, in geology, biochemistry, chemistry and cancer research.

LABELS	N° CAS	USAGES
Alizarine	72-48-0	Biochemistry: to test for the presence of calcium deposits in bone lineage cells Geology: to test the presence or absence of dolomite or calcite in carbonate rock samples brought to the surface from deep underground via drilling muds
Azure a	531-53-3	Biochemistry: to test for the presence of mucopolysaccharides
Bleu acide 2br	6104-59-2	Biochemistry: to test for the presence of proteins
Bleu brillant cresyl 40%	81029-05-2	Biochemistry: demonstration of reticulocytes on blood smears
Bleu de methyle	28983-56-4	Biochemistry: identification of collagen in tissue sections
Bleu nil a sulfate	3625-57-8	Biochemistry: identification of melanins and lipofushins in histological sections
Bleu patente e131 (sel de calcium)	3536-49-0	Biochemistry: blood vessel tracer Oncology: dye in the sentinel lymph node technique
Bleu patente vn 200%	129-17-9	Biochemistry: blood vessel tracer Oncology: dye in the sentinel lymph node technique
Eosine yb	17372-87-1	Biochemistry: detection of eosinophilic material (= positively charged cellular elements: cytoplasm, collagen, etc.) Hydrogeology: tracer
Fluoresceine sn conc.	518-47-8	Biochemistry: preparation of probes for fluorescence in situ hybridisation, real-time polymerase chain reaction (real-time PCR), comparative genomic hybridisation Hydrogeology: tracer
Noir amido 10b	1064-48-8	Biochemistry: protein assay
Noir pour gras 2b	4197-25-5	Biochemistry: on histological sections and smears, identification of lipid granules (black-green staining), in a buffered phosphate NOIR POUR GRAS 2B 4197-25-5 medium and in the presence of alcohol (the cytoplasm of the cells remains colorless).
Orange xylenol, sel tertrasodique	3618-43-7	Chemistry: complexometry indicator (titration of metal ions, bismuth and lead, in a moderate acid medium, pH between 4 and 5)
Rouge pour gras 2r	85-86-9	Biochemistry: identification of triglycerides and lipids in tissues

MIXTURES / PACKAGING

Our mixtures of dyes and pigments for different applications are processed in a special area that ensures maximum safety for people at work:

- Made-to-measure color production in a 700-litre mixer.
- Packaging in jars, polyethylene bags and water-soluble bags from 10 g to 25 kg on a checkweigher.
- Solubilisation of powder dyes in aqueous solution and packaging from 100 ml to 1000 litres.
- Incorporation of dyes or pigments into your product formulas.

Colorimetric compliance is monitored by laboratory control using a spectrophotometer.





PART 4: **HYDROLOGICAL** **TRACERS**

HYDROLOGICAL TRACERS

TRACER TABLETS

HYDROLOGICAL TRACERS

In the **Hydrology** market we offer a wide range of **tracers which are water-soluble**.

Fluorescent dyes (fluorescein, eosin, rhodamines, etc.) and optical brighteners (amino acid G, sodium naphthionate, CBS-X optical brightener), used in 95% of cases for detecting leaks in pipes (wastewater or rainwater), tracing watercourses or marine currents, waterproofing tests (roofs, terraces), etc.

Synthetic food colorings (E124, E102, E133, etc.), used in particular for tests on drinking water networks.

Uses:

- Environmental consultancies
- Craftsmen
- Plumbers, sanitation services
- Local authorities, industry
- Private individuals



Example: Fluorescein under UV lamp

To guarantee maximum yield and coloring power, all our powder dyes are pure and uncut.

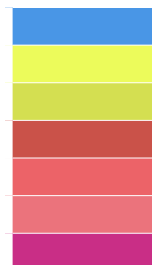
For processing, we can make deconcentrated powder products or solubilisations on request.

Packaging:

Our products are available in a range of standard packaging (250g, 500g, 1kg, 5kg, 10kg, 25kg). Depending on your needs, we can also offer customised packaging (pots, buckets, drums, jerrycans, cartons, containers, bags).

Please note: For leak testing (dry) on air filtration systems: see our range of fluorescent pigments.

	PRODUCT NAME	COLOR INDEX NO.
Blue fluorescence under UV	Acide Amino G	-
Blue Violet fluorescence under UV	Naphthionate de sodium	-
F.B.351	Azurant optique CBS-X	-
A.BL.9	Bleu Acide 9 pur	42090
SV.G.7	Jaune pyracide G (Pyranine)	59040
A.Y.73	Fluoresceine SN conc.	45350
A.R.87	Eosine YB	45380
B.V.10	Rhodamine B Conc. 500%	45170
B.V.10	Rhodamine B liquide	45170
A.R.52	Sulphorhodamine B Conc	45100






TRACER TABLETS

Available in 3 distinct colors (neon green/neon pink/blue), the tracing pads are also suitable for multi-tracking operations. They can be detected visually under standard or daylight lighting: FLUORINE GREEN and FLUORINE PINK can also be detected under a UV lamp or by fluorimetry. These dyes are safe, non-toxic and biodegradable.

For studies on drinking water networks, see our range of synthetic food dyes.

Uses:

- Detecting leaks in pipes or closed systems (wastewater or rainwater), toilet flushes, baths, etc.
- Tracing septic tanks
- Waterproofing tests (roofs, terraces, etc.)
- Hydrological tracing (rivers, sea currents, etc.)

	PRODUCT NAME	COLOR INDEX NO.	
A.BL 9	Pastilles de traçage - Bleu	42090	
A.R 52	Pastilles de traçage - Rose fluo	45100	
A.Y 73	Pastilles de traçage - Vert fluo	45350	



CATALOGUE

PIGMENTS & DYES

vidara.com
contact.colorey@vidara.com
+33 (0)4 78 57 88 89



[linkedin.com/company/
vidara-global/](https://linkedin.com/company/vidara-global/)

