

ADDING *Life* TO COLOUR™

Food | Pharmaceutical | Cosmetic | Industrial
Colours and ingredients



QUANTUM – COLOURS

Food, Pharmaceutical, Cosmetic and
Industrial colours and ingredients

• CANADA • SOUTH AFRICA • IRELAND • GERMANY • AUSTRALIA • UK

Manufactured, marketed and distributed under licence of SPECTRATEC INC. CANADA



Quantum Colours was founded in 2004 by John Lonsdale O'Donovan.

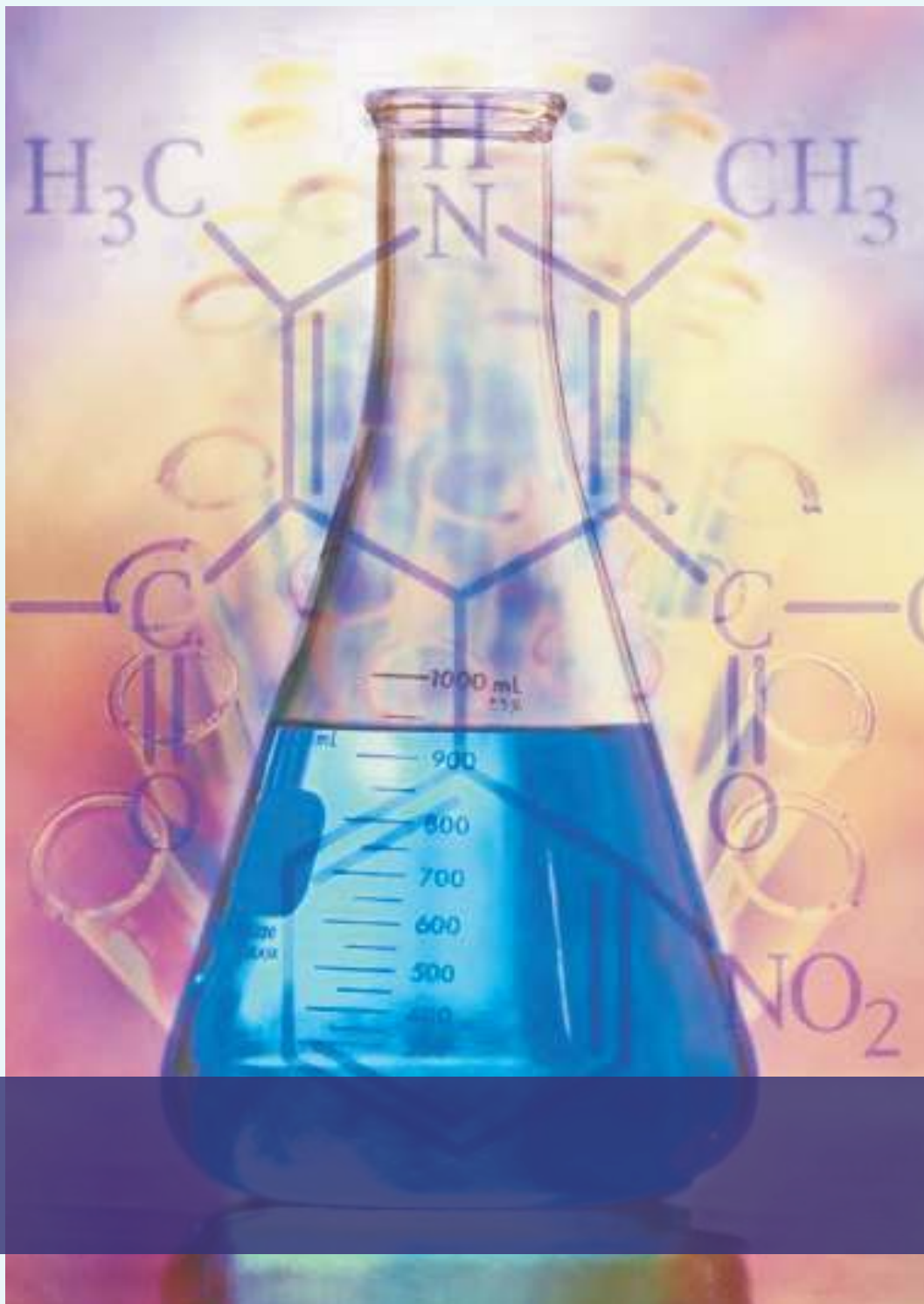
From humble beginnings, the company has become a major supplier, and important player in the Food, Pharmaceutical, Cosmetic and Industrial colours and ingredients market. Lonsdale has a chemistry background and started his career in the quality control / quality assurance (QC/QA) departments of one of the largest cosmetic-contract manufacturers based in South Africa. He then worked for the world's largest colour manufacturer and marketer, heading up the South African subsidiary's technical department. During this time, he also completed further training in Paris for the company. Currently, his business, Quantum Colours (including all staff employed) has more than 50 years' total experience in its chosen field of operation.

Colour is critical to any consumer's initial attraction to a product. Think of when you bought your car, one of the most critical aspects impacting your decision at the time, apart from the manufacturer, was the colour. Colour entices the consumer and tells you something about the product before even reading the label – the colour red in a food product, makes you imagine a tasty raspberry or strawberry and in your mind's eye you make an immediate connotation and can already imagine the delectable taste.

The world of colour is very tightly regulated and one has to work with a supplier that knows which colours are legally permitted, in which applications, and at what dosage. It is also important to highlight that the colour selected does not only have to conform to the latest legislation but it also has to be a stable compound in the required application.

To do this, we have a team of highly qualified and respected chemists and technical personnel to assist and design colours specific to our customers' requirements.

We also have a very successful range of tablet coatings, supplying sugar and film-coating systems to our customers. For film coating we have both wet and dry systems available under the trade name Pharmaspec. Our film-coating systems are further split into hydroxypropyl methylcellulose (HPMC) and Poly (vinyl alcohol) (PVOH, PVA, or PVAI) based systems and are very specific in terms of the functionality of moisture barriers, taste barriers, enteric and controlled-sustained release.



Tablet Coatings

Film coating has become the preferred method of coating tablets versus sugar coating. The reason for this is that film coating results in shorter processing times as well as minimal mass gain, improved aesthetics, improved handling and improved drug release. Processing variables are more complex compared to sugar coating, which is done in a conventional coating pan. Some critical parameters that influence film coating are physical properties of the tablets cores such as shape, surface area (size) and friability. Process variables include tablet bed temperature, inlet temperature, outlet temperature, air volume, batch size, type of equipment used, spray rate, spray pattern and pan speed. All the above-mentioned have to be specific to each film-coating system as well as the medium being coated. Batch validation is therefore a critical process for each film-coating system.

PHARMASPEC™ FC is a ready-to-use system and is extensively utilised with exceptional results. The reason for PHARMASPEC™ FC being used and accepted so widely is its ability to introduce high levels of solids, thus reducing mixing and spraying time. Instant release of film coat also ensures superior drug absorption, smooth edges and surfaces with no logo bridging. A variety of colours both from natural and synthetic origin are available. Existing colours can also be shade and colour matched very successfully. PHARMASPEC™ FC is an alternative that yields superior results, taking film coating to the next level of effectiveness both from a cost and a quality point of view.

Quantum Colours can also supply most market equivalents of tablet coatings based on PVA, HPMC and Metacrylic acid co-polymers.

16-POINT Benefit and advantages of PHARMASPEC™ FC as a complete film-coating system for tablets:

- Fast and easy to use – increased productivity
- Ultra-low viscosity polymers with increased pigment loading
- Superior moisture barrier of hygroscopic and moisture sensitive formulations
- Superior taste barrier (flavours/ sweeteners can be incorporated to mask pungent materials)
- Uniform coating with no logo bridging or filling
- Improved reconstitution time - saves time
- No sticking together of tablets
- Lower temperature required (35°C-40°C) ensures stability of API.
- Very easy to clean machine – almost no residue
- Versatile – can be used in aqueous or solvent systems
- Can successfully coat in most commercially available coating machines
- Shade and colour matching available to Pantone references
- Technical support and experience available
- Kosher and halaal certified colours are used, TSE / BSE, Non-GMO, Melamine free, OVI declaration.
- Unique colour identification
- Improvement of patient compliance



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PHARMASPEC™ is a complete system that has been developed based on the latest German technology. This system is a ready-mix, fine powder blend of the highest quality film-forming polymers, plasticisers and pigments. PHARMASPEC™ is manufactured with raw materials that comply with the latest USP, BP, EU Pharmacopeia and FDA standards. This system provides protection of the active against light, oxygen, moisture and other functional components (sub-coating).

Different grades of PHARMASPEC™

GRADE	SOLVENT SYSTEM	APPLICATION
PHARMASPEC™ - HPPV	Regular Aqueous and Non-Aqueous (Solvent) film coating.	Generic film coating of stable and non-hygroscopic Drug formulations.
PHARMASPEC™ - FCPV	Aqueous Protection.	Low viscosity film-coating for stable and non-hygroscopic drug formulations.
PHARMASPEC™ - FCHP	Aqueous Moisture Protection.	Moisture barrier of hygroscopic and moisture-sensitive formulations.
PHARMASPEC™ - FC(Protect)	Aqueous Transparent film coating.	Protective transparent film coating of drug formulations.
PHARMASPEC™ - FCEN (A,B,C,)	Non-Aqueous (Solvent) Aqueous.	Enteric coating A=Jejunum B=Deodenum C=Colon.



** For more detailed information send your requests to info@quantumcolours.com

Food, Pharmaceutical, Cosmetic & Industrial Colours					Personal Care Applications						Home & Fabric Care Applications							
Product Code	Product Description	Colour Index Number	Colour Index Name		Physical Form	Opaque Toilet Soaps	Transparent Toilet Soaps	Shampoos & Shower Gels	Creams & Lotions	Toothpastes & Gels	Mouthwashes	Detergent Powders & Tablets	Liquid Detergents	Rinse Conditioners	Acidic Cleaners	Mild Cleaners	Alkaline Cleaners	Mineral Oil / Petroleum / Solvent-Based Products
			FD&C Name	E-No														
QDY0001	SUNSET YELLOW	15985	FOOD YELLOW 3 E110 (+)		W/S-P	○	○	○	○	○	○		○		○	○	○	
QDY0002	PONCEAU 4R	16255	FOOD RED 7 E124		W/S-P		●	●	●	●	●		●		●	●	●	
QDY0003	TARTRAZINE	19140	FOOD YELLOW E102 (+)		W/S-P	◐	◐	◐	◐	◐	◐	◐	◐	◐	◐	◐	◐	
QDY0004	CARMOISINE	14720	FOOD RED 3 E122		W/S-P		●	●	●	●	●				●	●	●	
QDY0005	QUINOLINE YELLOW	47005	FOOD YELLOW 13 E104		W/S-P	◐	◐	◐	◐	◐	◐				◐	◐	◐	
QDY0006	BRILLIANT BLUE	42090	FOOD BLUE 2 E133(+)		W/S-P	●	●	●	●	●	●		●	●	●	●	●	
QDY0007	ERYTHROSINE	45430	FOOD RED 14 E127(+)		W/S-P	◐	◐	◐	◐	◐	◐					◐	◐	
QDY0008	ALLURA RED	16035	FOOD RED 17 E129(+)		W/S-P		●	●	●	●	●		●	●	●	●		
QDY0009	INDIGO CARMINE	73015	FOOD BLUE 1 E132(+)		W/S-P	●	●	●	●	●	●		●	●		●		
QDY0010	BROWN - HT	20285	FOOD BROWN 3 E155		W/S-P	●	●	●	●	●	●		●	●	●	●	●	
QDY0011	AMARANTH	16185	FOOD RED 9 E123		W/S-P		●	●	●	●	●				●	●	●	
QDY0012	RED 2G	18050	FOOD RED 10 E128		W/S-P		●	●	●	●	●		●	●	●	●	●	
QDY0013	BLACK PN	28440	FOOD BLACK 10 E151		W/S-P		●	●	●	●	●		●	●	●	●	●	
QDY0014	GREEN S	44090	FOOD GREEN 4 E142		W/S-P		●	●	●	●	●		●	●		●		
QDY0015	PATENT BLUE V	42051	FOOD BLUE 5 E131		W/S-P	●	●	●	●	●	●		●	●	●	●		
QDY0016	SUNSET YELLOW C.S.	15985	FOOD YELLOW 3 E110		W/S-P	○	○	○	○	○	○		○		○	○		

**The above primary colours are both Kosher and Halaal certified and also available as FDA (+) approved and certified as well as in various blended shades.

**Some typical food applications : Ice Cream, Snack Foods, Soft Drinks, Sauces, Jams, Sea Food, Dairy Products, Confectionary, Baked Goods, Icings, Dry Pet Food etc.

** Key : APS = As per specification, S = Stable, o = Recommended, W/S-P = Water Soluble Powder, O/S-P = Oil Soluble Powder, ◊ = Possible in some applications

Food, Pharmaceutical, Cosmetic & Industrial Colours					Solubility At Room Temperature				Some Food Applications & General Stability to:											
Product Code	Product Description	Colour Index Number	Colour Index Name		Physical Form	Distilled Water (gms/ltr)	Glycerine (gms/ltr)	Propylene Glycol (gms/ltr)	Ethanol (gms/ltr)	pH 3	pH 7	pH 8	Baking 205 °C	Light	Heat	Alkalies	Fruit Acids	Benzoic Acids	SO 2	Sorbic Acids
			FD&C Name	E-No																

No. 1-6 Represents Lowest To Highest Degree Of Stability																				
QDY0001	SUNSET YELLOW	15985	FOOD YELLOW 3 E110 (+)	W/S-P	120	160	20	Insoluble	S	S	S	5	4	5	4	4	4	4	5	5
QDY0002	PONCEAU 4R	16255	FOOD RED 7 E124	W/S-P	140	10	50	Insoluble	S	S	S	5	4	5	3	5	5	3	6	
QDY0003	TARTRAZINE	19140	FOOD YELLOW E102 (+)	W/S-P	140	150	50	Insoluble	S	S	S	5	6	5	4	5	5	4	5	
QDY0004	CARMOISINE	14720	FOOD RED 3 E122	W/S-P	120	120	50	Insoluble	S	S	S	3	4	4	4	5	4	4	5	
QDY0005	QUINOLINE YELLOW	47005	FOOD YELLOW 13 E104	W/S-P	150	40	40	1.5	S	S	S	4	5	4	2	5	4	5	5	
QDY0006	BRILLIANT BLUE	42090	FOOD BLUE 2 E133(+)	W/S-P	200	190	200	Insoluble	4	5	2	4	5	5	4	5	5	5	5	
QDY0007	ERYTHROSINE	45430	FOOD RED 14 E127(+)	W/S-P	70	20	50	Insoluble		S	S	3	3	4	3	1	1	5	1	
QDY0008	ALLURA RED	16035	FOOD RED 17 E129(+)	W/S-P	220	30	15	Insoluble	S	S	S	4	5	5	4	5	4	4	5	
QDY0009	INDIGO CARMINE	73015	FOOD BLUE 1 E132(+)	W/S-P	12	5	1	Insoluble	2	2	2	1	2	1	1	1	1	1	1	
QDY0010	BROWN - HT	20285	FOOD BROWN 3 E155	W/S-P	180	50	150	Insoluble	S	S	S	4	5	5	4	4	4	3	3	
QDY0011	AMARANTH	16185	FOOD RED 9 E123	W/S-P	140	100	50	Insoluble	S	S	S	3	4	4	3	4	4	3	5	
QDY0012	RED 2G	18050	FOOD RED 10 E128	W/S-P	180	10	30	Insoluble	S	S	S	4	6	4	5	4	4	4	4	
QDY0013	BLACK PN	28440	FOOD BLACK 10 E151	W/S-P	50	5	10	Insoluble	S	S	S	2	4	4	3	4	4	3	3	
QDY0014	GREEN S	44090	FOOD GREEN 4 E142	W/S-P	50	15	20	Insoluble	3	4	3	4	3	5	4	4	4	5	4	
QDY0015	PATENT BLUE V	42051	FOOD BLUE 5 E131	W/S-P	60	35	20	Insoluble	2	3	2	4	6	5	2	2	2	3	2	
QDY0016	SUNSET YELLOW C.S.	15985	FOOD YELLOW 3 E110	W/S-P	120	160	20	Insoluble	S	S	S	5	4	5	4	4	4	3	5	

**The above primary colours are both Kosher and Halaal certified and also available as FDA (+) approved and certified as well as in various blended shades.

**Some typical food applications : Ice Cream, Snack Foods, Soft Drinks, Sauces, Jams, Sea Food, Dairy Products, Confectionary, Baked Goods, Icings, Dry Pet Food etc.

** Key : APS = As per specification , S = Stable, o = Recommended, W/S-P = Water Soluble Powder, O/S-P = Oil Soluble Powder, ◇ = Possible in some applications

Blended colours suitable for Food, Pharmaceutical, Cosmetic & Industrial applications:

Product Code	Product Description	Colour Index Number	Physical Form
QBL0001	BUTCHERS RED	APS	W/S-P
QBL0023	LIME GREEN	APS	W/S-P
QBL0028	BLACKCURRANT	APS	W/S-P
QBL0045	STRAWBERRY	APS	W/S-P
QBL0046	PINEAPPLE	APS	W/S-P
QBL0047	BLACK	APS	W/S-P
QBL0054	RASPBERRY	APS	W/S-P
QBL0055	ICE BLUE	APS	W/S-P
QBL0063	ORANGE	APS	W/S-P
QBL0111	OLIVE GREEN	APS	W/S-P
QBL0137	MUSTARD	APS	W/S-P
QBL0163	YELLOW LEMON	APS	W/S-P
QBL0169	GUAVA	APS	W/S-P
QBL0198	BEEF RED	APS	W/S-P
QBL0273	COLA BROWN	APS	W/S-P
QBL0280	BROWN RUS	APS	W/S-P
QBL0282	TOMATO RED	APS	W/S-P
QBL0337	GREEN	APS	W/S-P
QBL0343	GRAPE	APS	W/S-P

****More blended colours are available**

**** Key : W/S-P = Water Soluble Powder**

Our new applications laboratory is available to shade and colour match to specific requirements and /or Pantone references.

Natural Colours

Product Code	Product Description	Colour Index Number	Colour Index Name		Physical Form
			FD&C Name	E-No	
QNA0004	ANNATO / BIXIN / NORBIXIN	75120	NATURAL ORANGE 4 /E160b		W/S-P
QNA0005	CARAMEL 48		E-150 a/c/d		W/S-L
QNA0006	TITANIUM DIOXIDE	77891	PIGMENT WHITE 6		Powder
QNA0007	RED OXIDE	77491	PIGMENT RED 101		Powder
QNA0008	CARBON BLACK	77266	PIGMENT BLACK 6 /E153		Powder
QNA0009	BROWN OXIDE	77491, 77492, 77266	MIXTURE OF E172		Powder
QNA0010	YELLOW OXIDE	77492	PIGMENT YELLOW 42		Powder
QNA0011	BLACK OXIDE	77499	PIGMENT BLACK 11		Powder
QNA0012	BEETROOT	75840	E162		W/S-P
QNA0013	TURMERIC	75300	E100		W/S-L
QNA0015	COPPER-CHLOROPHYLL	75815	E141		W/S-L
QNA0018	ANNATO / BIXIN / NORBIXIN	75120	NATURAL ORANGE 4 /E160b		W/S-L
QNA0025	COPPER-CHLOROPHYLL	75815	E141		O/S-L
QNA0030	CHLOROPHYLL	75815	E140		W/S-P

****More colours are available**



**** Key : W/S-P = Water Soluble Powder, W/S-L Water Soluble Liquid O/S-L = Oil Soluble Liquid**

Industrial Colours

Product Code	Product Description	Colour Index Number	Colour Index Name FD&C Name E-No	Physical Form	Home & Fabric Care Applications										Stability to:				
					Detergent Powders & Tablets	Detergent / Laundry Bars	Liquid Detergents	Dishwashing Liquids	Acidic Cleaners	Mild Cleaners	Alkaline Cleaners	Petroleum / Solvent-Based Products	Industrial applications W/S - Engine Coolants, Cleaning Chemicals	Products with Bleach	pH 3	pH 7	pH 8	Light	Heat
QIN0001	INDUSTRIAL BLUE 9	APS	APS	W/S-P			●	●	●	●			●		S	S	S	S	S
QIN0002	FLUORESCIEN	APS	APS	W/S-P					●	●	●		●	◇	S	S	S	S	S
QIN0003	OIL RED	APS	APS	O/S-P									●					S	S
QIN0004	OIL YELLOW	APS	APS	O/S-P									●					S	S
QIN0005	OIL BLUE	APS	APS	O/S-P									●					S	S
QIN0006	RHODAMINE	APS	APS	W/S-P					●	●	●		●	◇	S	S	S	S	S
QIN0012	INDUSTRIAL BLUE	APS	APS	W/S-P	●	●	●	●	●	●	●		●	◇	S	S	S	S	S
QIN0013	INDUSTRIAL YELLOW	APS	APS	W/S-P	●	●	●	●	●	●	●		●	◇	S	S	S	S	S
QIN0014	INDUSTRIAL RED	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QIN0017	NIGRAZOME BLACK	APS	APS	W/S-P								●						S	S
QIN0018	METHYL VIOLET	APS	APS	LIQUID	●	●			●	●	●	●	●	◇	S	S	S	S	S
QIN0019	CRYSTAL VIOLET	APS	APS	LIQUID	●	●			●	●	●	●	●	◇	S	S	S	S	S
QIN0020	CRYSTAL VIOLET	APS	APS	W/S-P	●	●			●	●	●	●	●	◇	S	S	S	S	S
QIN0021	INDUSTRIAL BROWN	APS	APS	W/S-P	●	●	●		●	●	●	●	●		S	S	S	S	S
QIN0022	PHENOL RED	APS	APS	W/S-P					○	○	○				S	S	S	S	S
QIN0023	BROMOTHYMOL BLUE	APS	APS	W/S-P					○	○	○				S	S	S	S	S
QIN0024	PIGMENT GREEN # 7	APS	APS	W/S-P	●	●			●	●	●				S	S	S	S	S
QIN0027	ACID BLUE 80	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QIN0028	MARINE BLUE	APS	APS	W/S-P	●	●			●	●	●		●		S	S	S	S	S
QIN0032	INTRALITE TURQUOISE	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QIN0033	INDUSTRIAL BLUE	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QIN0037	INDUSTRIAL RED	APS	APS	W/S-P	●	●	●	●	●	●	●		●	◇	S	S	S	S	S
QIN0038	COV BLUE	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QIN0040	INDUSTRIAL RED	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QBL0002	INDUSTRIAL GREEN	APS	APS	W/S-P			●	●	●	●	●		●		S	S	S	S	S
QBL0004	ORANGE	APS	APS	W/S-P			●	●	●	●	●		●		S	S	S	S	S
QBL0023	LIME GREEN	APS	APS	W/S-P			●	●	●	●	●		●		S	S	S	S	S
QBL0024	DETERGENT GREEN	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QBL0051	INDUSTRIAL PINK	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QBL0161	BLUE NYL	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S
QBL0271	GREEN	APS	APS	W/S-P			●	●	●	●	●		●		S	S	S	S	S
QBL0231	INDUSTRIAL VIOLET	APS	APS	W/S-P	●	●	●	●	●	●	●		●		S	S	S	S	S

**More colours are available

Industrial Applications , Degreasers, Dishwashing liquid, Hard surface cleaners , Furniture oil , Petroleum / Solvent-based products , Engine coolants.

** Key : APS = As per specification, S = Stable, ○ = Recommended, W/S-P = Water Soluble Powder, O/S-P = Oil Soluble Powder, ◇ = Possible in some applications



Cosmetic Colours					Personal Care Applications							Home & Fabric Care Applications							General Stability to						
Product Code	Product Description	Colour Index Number	Colour Index Name		Physical Form	Opaque Toilet Soaps	Transparent Toilet Soaps	Shampoos & Shower Gels	Creams & Lotions	Toothpastes & Gels	Mouthwashes	Makeup & Lipsticks	Detergent Powders & Tablets	Detergent / Laundry Bars	Liquid Detergents	Rinse Conditioners	Acidic Cleaners	Mild Cleaners	Alkaline Cleaners	Mineral Oil / Petroleum / Solvent-Based Products	pH 3	pH 7	pH 8	Light	Heat
			FD&C Name	E-No																					

QCC0001	D&C VIOLET NO2	60725	SOLVENT VIOLET 13	O/S-P																o				5	5
QCC0002	EXT. D&c VIOLET NO2	60730	ACID VIOLET 43	W/S-P	o	o	o	o	o	o				o	o	o	o	o			S	S	S	5	5
QCC0003	D&C RED 33	17200	ACID RED 33	W/S-P	o	o	o	o	o	o				o	o	o	o	o			S	S	S	5	4
QCC0004	D&C YELLOW NO 11	47000	SOLVENT YELLOW 33	O/S-P																o				5	5
QCC0005	D&C RED NO 17	26100	SOLVENT RED 23	O/S-P																o				5	5
QCC0006	D&C GREEN NO 6	61565	SOLVENT GREEN 3	O/S-P																o				5	5
QCC0007	D&C ORANGE NO 4	15510	ACID ORANGE 7	W/S-P	o	o	o	o	o	o				o	o	o	o	o			S	S	S	5	5
QDS0014	COSMOSPEC RED	12490		PIGMENT DISPERSION								o	o								S	S	S	5	5
QDS0016	COSMOSPEC BLACK	77499	PIGMENT BLACK 11	PIGMENT DISPERSION								o	o								S	S	S	5	5
QDS0018	COSMOSPEC BLUE	74160		PIGMENT DISPERSION								o	o								S	S	S	5	5
QDS0059	COSMOSPEC YELLOW	11680		PIGMENT DISPERSION								o	o								S	S	S	5	5
QDS0060	COSMOSPEC GREEN C	74260		PIGMENT DISPERSION								o	o								S	S	S	5	5
QDS0064	COSMOSPEC WHITE	77891	PIGMENT WHITE 6	PIGMENT DISPERSION								o	o								S	S	S	5	5

****More colours are available**

**** Key : APS = As per specification, S = Stable, o = Recommended, W/S-P = Water Soluble Powder, O/S-P = Oil Soluble Powder, o = Possible in some applications, No. 1-6 Represents Lowest To Highest Degree Of Stability**

Global Cosmetic Pigments

US FDA

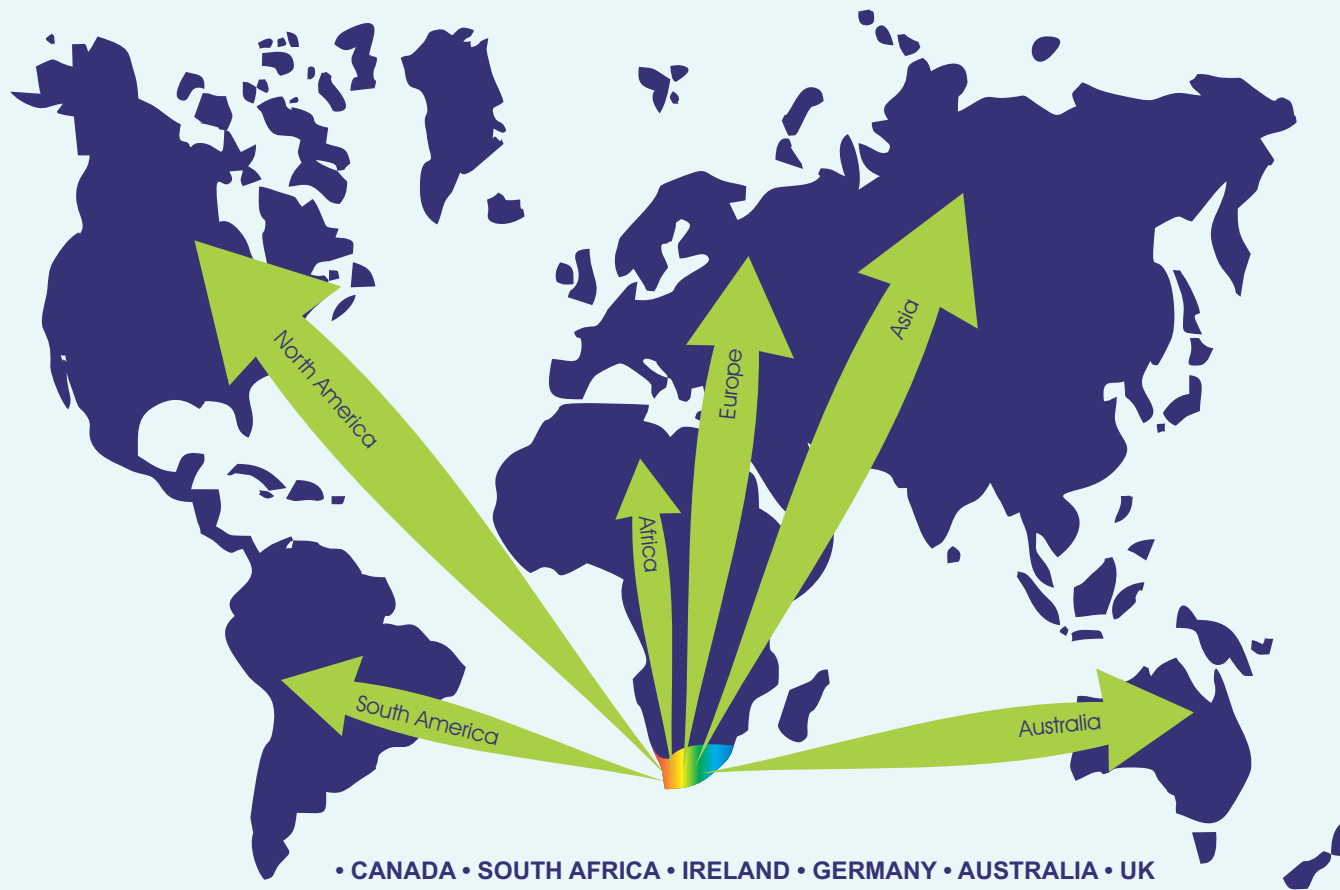
Product Code	Product Description	AVG DYE%	Colour Index	US FDA			EU: 76 / 768 / EEC	Japanese Reference
				Cosmetics and Personal Care: Externally Applied	Cosmetics: Lip Products	Cosmetics: Eye Products		
QCC0026	F D & C YELLOW 5 ALUM LAKE LL ~ 17%	17	19140:1	●	●	●	●	YELLOW 4
QCC0027	F D & C YELLOW 5 ALUM LAKE LM ~ 25%	25	19140:1	●	●	●	●	YELLOW 4
QCC0028	F D & C YELLOW 6 ALUM LAKE LL	15	15985:1	●	●		●	YELLOW 5
QCC0029	F D & C YELLOW 6 ALUM LAKE LP	46	15985:1	●	●		●	YELLOW 5
QCC0030	D & C YELLOW 10 ALUM LAKE LM	22	47005:1	●	●			YELLOW 203
QCC0031	F D & C RED 40 ALUM LAKE LL	14	16035:1	●		●	●	
QCC0032	F D & C RED 40 ALUM LAKE SC	38	16035:1	●	●	●	●	
QCC0033	D & C RED 6	93	15850	●	●		●	RED 201
QCC0034	D & C RED 6 BARIUM LAKE LL	23	15850:2	●	●		●	
QCC0035	D & C RED 6 BARIUM LAKE LM	47	15850:2	●	●		●	
QCC0036	D & C RED 6 BARIUM LAKE LS	67	15850:2	●	●		●	
QCC0037	D & C RED 7	91	15850:1	●	●		●	RED 202
QCC0038	D & C RED 7 Ca LAKE 38-42%	50	15850:1	●	●		●	RED 202
QCC0039	D & C RED 7 Ca LAKE 50-60%	55	15850:1	●	●		●	RED 202
QCC0040	D & C RED 7 Ca LAKE ~ 52% BaFree	52	15850:1	●	●		●	RED 202
QCC0041	D & C RED 7 Ca LAKE ~ 35%	38	15850:1	●	●		●	RED 202
QCC0042	D & C RED 7 Ca LAKE LF 17-22%	20	15850:1	●	●		●	RED 202
QCC0043	D & C RED 7 Ca LAKE 38%	38	15850:1	●	●		●	RED 202
QCC0044	D & C RED 21	95	45380:2	●	●		●	RED 223
QCC0045	D & C RED 21 ALUM LAKE MS	15	45380:3	●	●		●	
QCC0046	D & C RED 22	93	45380	●	●		●	RED 230 (1)
QCC0047	D & C RED 27	99	45410:1	●	●		●	RED 218
QCC0048	D & C RED 27 LAKE ~ 24%	22	45410:2	●	●		●	
QCC0049	D & C RED 27 AL LAKE ~ 16% SM PTCL	16	45410:2	●	●		●	
QCC0050	D & C RED 27 AL LAKE MS	18	45410:2	●	●		●	
QCC0051	D & C RED 28 ALUM LAKE ~ 22%	22	45410:2	●	●		●	RED 104
QCC0052	D & C RED 30 LAKE	30	73360	●	●		●	RED 226
QCC0053	D & C RED 30 ALUM LAKE ~ 36	36	73360	●	●		●	RED 226
QCC0054	D & C RED 30 TALC LAKE MS 35-38%	36	73360	●	●		●	RED 226
QCC0055	D & C RED 33 ALUM LAKE LM	18	17200:1	●	1		●	RED 227
QCC0056	D & C RED 34 Ca LAKE	82	15880:1	●			●	RED 220
QCC0057	D & C RED 36	95	12085	●	2		● (3% Max)	RED 228
QCC0058	F D & C BLUE 1 ALUM LAKE LL	12	42090:2	●	●	●	●	BLUE 1
QCC0059	F D & C BLUE 1 ALUM LAKE LM	20	42090:2	●	●	●	●	BLUE 1
QCC0060	D & C BLACK 2	95	77266	●	●	●	●	CARBON BLACK I

USA EU

X=Allowed Usage in Cosmetics by the FDA regulations
 1=Cosmetic lip products NTE 3% by weight of finished cosmetic product
 2=Lipsticks NTE 3% by weight of finished cosmetic product

X=Allowed Usage in All Cosmetics by the EU regulations






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- **There may be more applications possible that are not mentioned here.
- **The information is accurate and to the best of our knowledge, however no guarantees are given or implied.
- **Local legislation has to be checked and verified before colours are used in specific applications.
- **This is a list of the most popular colours, however many more colours are available depending on specific requirements.
- **This brochure is just a guide, in-house stability testing by the client is still required to prove suitability and stability.

Your Agent: