

## Approved Drug Colourants Listed by the European Union

Colour	E Number	Colour Index Number	Alternate Names
Allura Red AC <sup>(a)</sup>	E129	16035	FD&C Red #40
Aluminum***	E173	77000	--
Amaranth*** <sup>(a)</sup>	E123	16185	Delisted FD&C Red #2
Annatto***	E160b	75120	Bixin, norbixin
Anthocyanins <sup>(a)</sup>	E163	--	--
Beetroot Red	E162	--	Betain
Beta APO-8'-Carotenal	E160e	40820	--
Brilliant Black BN <sup>(a)</sup>	E151	28440	Black BN
Brilliant Blue FCF <sup>(a)</sup>	E133	42090	FD&C Blue #1
Brown HT <sup>(a)</sup>	E155	20285	--
Calcium Carbonate	E170	77220	--
Canthaxanthin*	E161g	40850	--
Caramel,-Plain	E150a	--	--
Caramel,-Caustic Sulphite	E150b	--	--
Caramel,-Ammonia	E150c	--	--
Caramel, Sulphite Ammonia	E150d	--	--
Carmine <sup>(a)</sup>	E120	75470	Carminic Acid, Cochineal
Carmoisine <sup>(a)</sup>	E122	14720	Azorubine
Carotenes	E160a	40800 / 75130	--
Chlorophylls/Chlorophyllins	E140	75810 / 75815	--
Copper Complexes of Chlorophylls/Chlorophyllins <sup>(a)</sup>	E141	75815	--
Curcumin <sup>(a)</sup>	E100	75300	Turmeric
Erythrosine*** <sup>(a)</sup>	E127	45430	FD&C Red #3
Gold***	E175	77480	--
Green S <sup>(a)</sup>	E142	44090	Acid Brilliant Green BS
Indigotine <sup>(a)</sup>	E132	73015	FD&C Blue #2, Indigo Carmine
Iron Oxides & Hydroxides	E172	77491 / 77492 / 77499	Iron Oxide Red, Yellow, Black
Litholrubine BK*** <sup>(a)</sup>	E180	--	--
Lutein	E161b	--	--
Lycopene***	E160d	75125	--
Paprika Extract	E160c	--	Capsanthin, Capsorubin
Patent Blue V <sup>(a)</sup>	E131	42051	Acid Blue 3
Ponceau 4R <sup>(a)</sup>	E124	16255	Cochineal Red A

Colour	E Number	Colour Index Number	Alternate Names
Quinoline Yellow** (a)	E104	47005	China Yellow
Riboflavins (a)	E101	--	--
Silver***	E174	--	--
Sunset Yellow FCF (a)	E110	15985	FD&C Yellow #6, Orange Yellow S
Tartrazine (a)	E102	19140	FD&C Yellow #5
Titanium Dioxide	E171	77891	--
Vegetable Carbon	E153	77268:1	Carbo Medicinalis Vegetalis

The above list is derived from Part B, List of All Additives, from Annex II to Regulation (EC) No 1333/2008 on food additives.

Aluminium lakes can be prepared from the above colours marked (a).

NOTE:

\* Colorcon does not recommend the use of this colour in new drug applications.

\*\* This is not D&C Yellow #10. Although the C.I. numbers are the same, the dyes differ in composition. Quinoline Yellow is primarily the disulfonated quinoline dye, whereas D&C Yellow #10 is the monosulfonated colour. Quinoline Yellow is not accepted for use in the U.S; conversely, D&C Yellow #10 cannot be used in the EU.

\*\*\* Colorcon does not recommend the use of this colour in new drug applications. Although these are permitted food additives according to current EU legislation, their use is restricted to specific food categories.

The information contained herein, to the best of our knowledge is true and accurate. Any recommendations or suggestions are made without warranty or guarantee, since the conditions of use are beyond our control. Any information contained herein is intended as a recommendation for use of our products so as not to infringe on any patent.

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