

# FOOD COLORS



Your First Source for Dyes, Pigments and Specialty Chemicals

## PRODUCT INFORMATION BULLETIN

Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Yellow 5 Powder	Food Yellow 4 (19140)	1934-21-0	20	0	18	7
FD&C Yellow 5 Granules						
FD&C Yellow 5 Liquid (Tartrazine)						

Stable in most acid mediums such as citric, acetic, malic and tartaric acid. Stable in basic mediums such as sodium bicarbonate, sodium carbonate, and ammonium hydroxide except for sodium hydroxide where it presents considerable fading.

Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Yellow 6 Powder	Food Yellow 3 (15985)	2783-94-0	19	0	20	2
FD&C Yellow 6 Granules						
FD&C Yellow 6 Liquid (Sunset Yellow)						

Stable in most acid mediums such as citric, acetic, malic and tartaric acid. Stable in basic mediums such as sodium bicarbonate, sodium carbonate, and ammonium hydroxide except for sodium hydroxide where it presents considerable fading.

Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Red 3 Powder	Food Red 14 (45430)	16423-68-0	9	0	20	20
FD&C Red 3 Granules						
FD&C Red 3 Liquid (Erythrosine)						

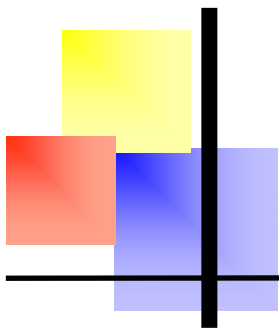
Non stable in acid medium. Stable in 10% sodium bicarbonate, slight fade in presence of sodium carbonate, and ammonium hydroxide. Fades completely in presence of sodium hydroxide.

Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Red 40 Powder	Food Red 17 (16035)	25956-17-6	18	0	3	1
FD&C Red 40 Granules						
FD&C Red 40 Liquid (Allura Red)						

Stable in most acid mediums such as citric, acetic, malic and tartaric acid. Turns blush in 10% sodium bicarbonate, slight blue in presence of sodium carbonate and ammonium hydroxide and very blue in presence of sodium hydroxide.

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Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Blue 1 Powder FD&C Blue 1 Granules FD&C Blue 1 Liquid (Brilliant Blue FCF)	Food Blue 2 (42090)	3844-45-9	20	0	20	20

Stable in acid mediums, slight fade in 10% sodium bicarbonate, fades in the presence of sodium carbonate and sodium hydroxide. Considerable fade in presence of ammonium hydroxide.

Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Blue 2 Powder (Indigo Carmine)	Food Blue 1 (73015)	860-22-0	2	2	18	20

Considerable fade in acid mediums. Fades completely in basic mediums such as sodium bicarbonate, sodium carbonate and ammonium hydroxide. Turns yellowish in presence of sodium hydroxide.

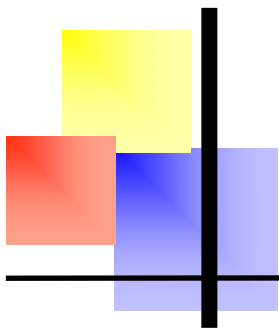
Food Color (Common Name)	Color Index	CAS #	Solubility/Stability			
			H <sub>2</sub> O	ACL	GLY	PG
FD&C Green 3 Powder (Fast Green FCF)	Food Green 3 (42053)	2353-45-9	20	0	20	20

Stable in 10% citric acid, acetic acid and very slight fade in malic and tartaric acid. Stable in 10% sodium bicarbonate. Turns blue in sodium carbonate and ammonium hydroxide. Fades in presence of sodium hydroxide.

\*Solubility in 100% Vehicle at 25°C Grams/100ML

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# DRUG & COSMETIC COLORS



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## PRODUCT INFORMATION BULLETIN

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Yellow 8 (Uranine)	Acid Yellow 73 (45350)	518-47-8	S	S	I, E	I	I, E	I, E	I, E

**Fastness Properties:** Fair light fastness. Fair stability to oxidizing and reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Orange 4 (Orange II)	Acid Orange 7 (15510)	833-96-5	S	S	I, E	I	I, E	I, E	I, E

**Fastness Properties:** Good light fastness. Fair stability to oxidizing and reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Red 22 (Eosine YS)	Acid Red 87 (45380)	17372-87-1	S	S	I, E	I	I, E	I, E	I, E

**Fastness Properties:** Poor light fastness. Moderate stability to oxidizing and reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Red 28 (Phloxine B)	Acid Red 92 (45410)	18471-87-2	S	S	I, E	I	I, E	I, E	I, E

**Fastness Properties:** Fair light fastness. Moderate stability to oxidizing and reducing agents.

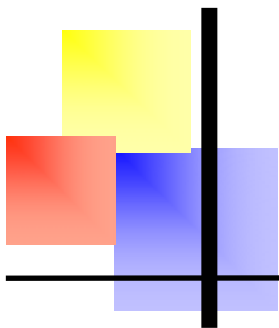
### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Red 33 (Acid Fuchsine)	Acid Red 33 (17200)	3567-66-6	S	S	I	I	I	I	I

**Fastness Properties:** Good light fastness. Fair stability to oxidizing agents. Very poor stability to reducing agents.

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### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	Solubility						
			H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Green 5 (Alzarine Cyanine Green F)	Acid Green 25 (61570)	4403-90-1	S	S	I, E	I	I, E	I, E	I, E

**Fastness Properties:** Good light fastness. Fair stability to oxidizing agents. Poor Stability to reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	Solubility						
			H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Green 6 (Quinizarine Green SS)	Solvent Green 3 (61565)	128-80-3	I	I	M	S	M	M	M

**Fastness Properties:** Moderate light fastness. Fair stability to oxidizing agents. Poor stability to reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	Solubility						
			H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Green 8 (Pyranine Conc)	Solvent Green 7 (59040)	6358-69-6	S, F	SS, F	I	I	I	I	I

**Fastness Properties:** Poor light fastness. Fair stability to oxidizing and reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	Solubility						
			H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Violet 2 (Alizurine Purple SS)	Solvent Violet 13 (60725)	81-48-1	I	I	S	S	S	S	S

**Fastness Properties:** Moderate light fastness. Poor stability to oxidizing agents. Very poor stability to reducing agents.

### Solubility

Drug & Cosmetic Color (Common Name)	Color Index	CAS #	Solubility						
			H <sub>2</sub> O	Glycol	Pet. Jelly	Toluene	Stearic Acid	Oleic Acid	Min Oil
D&C Violet 2 Ext. (Alizarin Irisol R)	Acid Violet 43 (60730)	4430-18-6	S	S	I	I	I	I	I

**Fastness Properties:** Good light fastness. Fair stability to oxidizing agents. Poor stability to reducing agents.

Abbreviations for solubility table: **D**—Practically insoluble, but may be dispersed by grinding or homogenizing. Solid mediums (waxes) should be softened or melted before or during the grinding. **E**—Practically insoluble in fatty acid, oil, or wax, but useful in coloring slightly alkaline aqueous emulsions. **F**—Solution usually fluorescent. **I**—Insoluble. **M**—Moderately soluble (<1%). **S**—Dissolves (solubility +/- 1%). **SS**—Sparingly soluble.

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