



**A&TC**  
CHEMICALS



[www.atcchemicals.com](http://www.atcchemicals.com)

# WE CAN'T IMAGINE

## A WORLD WITHOUT COLORS

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Diversity of Colors according to their applications, Colors, Dyes, Food Colors, Natural Food Colors, and Pigments.

Our different colors are selected from the best manufacturers that can warranty their quality, application, tone of colors, stability, certifications, workable costs, and more.

**FOOD COLORS,  
NATURAL FOOD COLORS,  
DYES AND PIGMENTS**





“

The perfect balance between  
the Nature and Chemistry

”



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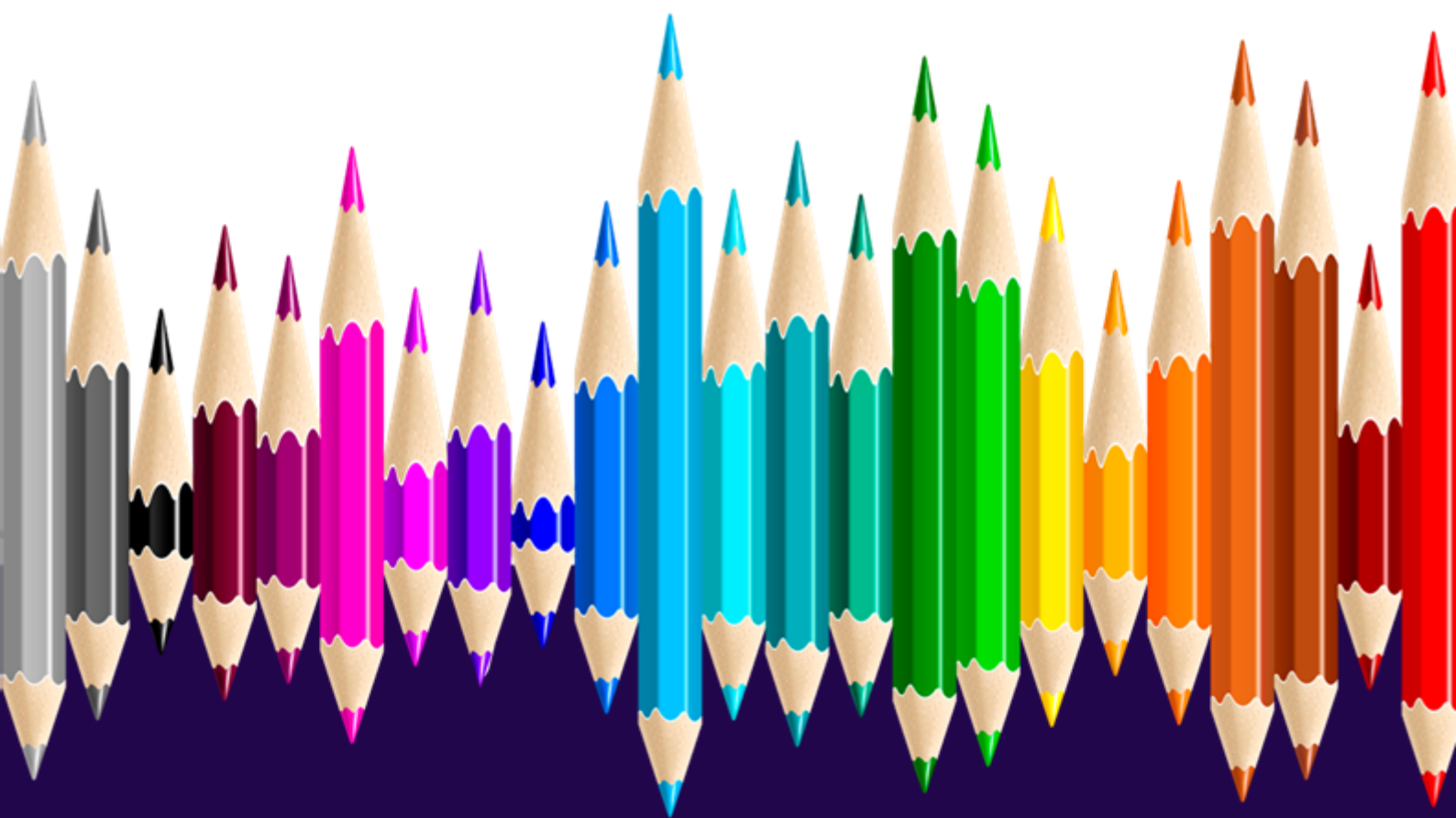
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Our diversity of colors is ready to inspire your imagination and creativity, developing your best creations.



**A&TC**  
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Calle 90, Local Galpón Nro. E-17 Cívico 83-40 Zona Industrial. Carabobo  
(4ta. Transversal) Valencia, Edo. Carabobo | VENEZUELA



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ATC Chemical is a flexible and modern chemical products trading company that in a short time we have managed to position ourselves widely in the international and local markets.

# ABOUT US



*A&TC Chemicals, with only 9 years of existence, we have developed strong strategic alliances with various manufacturers that allow us to provide greater commercial capacity in favor of the client.*

*Our company is young, but it is also made up of excellent professionals in the area with more than 25 years of extensive experience, with a great commitment to responsibility, constant work, focused as the highest level, and always based on providing the best service. with the best quality products for our clients.*

*We provide technical assistance to our clients, regardless of their commercial size or commercial assistance, and we even offer formulations that allow them to develop new products in their natural markets.*

*As a trading company & exporter of:*

*Natural Colors,  
Blend Colors,  
D&C Colors & Blend Colors,  
FD&C Colors,  
Food Colors,  
Lake Colors,*

*Our colors are widely used in the majority of industries, such as:*

*Agrochemicals,  
Beverages & Foods,  
Cosmetics,  
Household Products,  
Personal Care & Laundry,  
Pulp & Paper, and  
Textiles.*

*A&TC Chemicals, work with the topmost color manufacturers in the world, their products are manufactured according to international standards, and their quality is verified by implementing extensive quality checks at every stage of production.*

*As a result, each product is manufactured in accordance with the most requirement of each market, using not only ISO9000 in every stage of the production process to ensure that quality always is present too.*



## **MISSION**

*Providing the greatest possible support to our clients, allowing them easy access to raw materials and chemical products of proven excellent quality.*

*Maintain and preserve the environment in its most natural state, ensuring the future of our future generations.*

*Strengthen our purchasing program to provide greater flexibility to the customer, help them in their requirements with the responsibility of providing ways to optimize their inventories, creating a more useful and healthy economy.*

*The strength of our distribution and marketing network provides channel openings to reach all levels of the global market.*



## **VISION**

*Consolidate ourselves in our area as the most reliable and flexible supplier of our Clients, providing distribution channels to manufacturers.*

*Use technology to contribute to efficiency and excellence in our successful relationships with our suppliers, customers, employees, creating among all a mutual loyalty for satisfaction and common effort.*

# WE OFFER

*A&TC Chemicals, in addition to quality colors, also provides an extensive range of raw materials and chemical products for different applications and areas.*



Colors & Dyes



Flavors



Essential Chemicals



Fragrances



Iron Oxides



Oleochemicals



Pharmacy (Raw Material)



Silicones



Solvents



Surfactants



**A&TC Chemicals**, provide diverse of products, and behind each color, dye, and pigment, there is an effort achieved over many years.

The specialists have spent a lot of their time, developing the best technologies that allow each color, dye, and pigment to be developed with great quality.

Additionally, our suppliers have undergone various and rigorous quality controls, to guarantee their products before international authorities, such as: **FDA** (Federal Drug Administration), before the **EFSA** (European Food Safety Authority), in addition to all other certifications that are required by the Government. from India and all complying with process parameters established and endorsed by **TQCSI** (ISO 22000), **Kosher, Fortified, APEDA** (Processed Food Products Export Development Authority), **AGMark, HALAL, Jaivik Bharat, FSSAI**, and **ISI Mark**.

For all this, our clients enjoy the benefit not only of the excellent quality of these products but also of all the support offered by each manufacturer of color, dyes, and pigments.



**FORTIFIED**  
SAHPOORNA POSHAN  
SWASTH JEEVAN







KÄMPFF-KOHLER

7,00

4,70

5,50



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# FOOD COLORS

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# SYNTHETIC FOOD COLORS

## WATER SOLUBLE

### Main Uses

*Animal Feeds, Bakery products, Beverages, Confectionery, Crayon Colors, Dairy Products, Desserts, Drinks (Alcoholic & Non-Alcoholic), Food, Identification of Agricultural seeds, Pet Foods, Pharmaceuticals, Toiletry Products, Toothpaste, Seasonings, Washing Powder, Writing Inks.*

## Food Colors Range

Product Name	Synonym	Pantone®	E.C. No.	C.I. No.	Stability pH	Melting Point	Water Solubility
Allura Red	FD&C Red #40	1797	E129	16035	2-8	120 °C	53.87g/L (25°C)
Amaranth*	FD&C Red #2	7433	E123	16185	2-8	>300 °C	50g/L (20°C)
Brilliant Black BN	Food Black #1	Black	E151	28440	2-8	>300 °C	10g/L (31.8°C)
Brilliant Blue FCF	FD&C Blue #1	300	E133	42090	2-8	283 °C	200g/L (25 °C)
Brown HT	Food Brown 3	7624	E155	20285	2-7	>300 °C	180g/L (25 °C)
Carmoisine*	Food Red #3	200	E122	14720	2-8	>300 °C	120g/L (25 °C)
Erythrosine*	FD&C Red #3	1915	E127	45430	3-8	>303 °C	70g/L (25 °C)
Fast Green FCF	FD&C Green #3	3155	E143	42053	3-8	290 °C	200g/L (25 °C)
Green S	Food Green S	3272	E142	44090	3-8	210 °C	200g/L (25 °C)
Indigo Carmine	FD&C Blue #2	285	E132	73015	2-8	>300 °C	10 g/L (25 °C)
Patent Blue V	Food Blue #5	2925	E131	42051	2-8	>300 °C	200g/L (25 °C)
Ponceau 4R	Food Red #7	199	E124	16255	2-8	>300 °C	305.21g/L (20 °C)
Quinoline Yellow WS*	Food Yellow #13	102	E104	47005	2-8	150 °C	140g/L (25 °C)
Sunset Yellow FCF	FD&C Yellow #6	021	E110	15985	2-8	>300 °C	120g/L (25 °C)
Tartrazine	FD&C Yellow #5	115	E102	19140	3-8	>300 °C	200g/L (25 °C)

\* These products are not generally permitted for food use in the U.S.

\* FD&C = Food, Drug and Cosmetics

# SYNTHETIC FOOD COLORS

## WATER SOLUBLE

### Main Uses

*Animal Feeds, Bakery products, Beverages, Confectionery, Crayon Colors, Dairy Products, Desserts, Drinks (Alcoholic & Non-Alcoholic), Food, Identification of Agricultural seeds, Pet Foods, Pharmaceuticals, Toiletry Products, Toothpaste, Seasonings, Washing Powder, Writing Inks.*

## Blended Food Colors

Product Name	Pantone®	C.I. No.	Stability to			Water Solubility
			pH	Light	Heat °C (Maximum)	
Apple Green	360	19140 + 42090	2-8	5	200	110.00g/L (28°C)
Black 1011	7540	15985 + 14720 + 42090	2-7	5	200	50.00g/L (28°C)
Black CTB	412	14720 + 19140 + 42090	4-7	5	200	80.00g/L (28°C)
Black NCTB	425	14720 + 19140 + 42090	4-7	5	200	80.00g/L (28°C)
Black Z	Black	15985 + 14720 + 19140 + 42090 + 42053	4-7	6	200	70.00g/L (28°C)
Chocolate Brown FCF	7618	15985 + 16255 + 42090	2-10	5	180	120.00g/L (28°C)
Chocolate Brown K1	7577	15985 + 42090 + 14720 + 19140	2-9	5	180	80.00g/L (28°C)
Chocolate Brown Y	7614	14720 + 15985 + 19140 + 42090 + 42053	3-9	7	150	70.00g/L (28°C)
Egg Yellow	1375	19140 + 15985	2-9	6	180	200.00g/L (28°C)
Kesari B	1235	19140 + 15985 + 14720	3-9	5	200	200.00g/L (28°C)
Mango 11265	1575	19140 + 15985	3-9	6	200	150.00g/L (28°C)
Pea Green	7482	19140 + 42090	4-9	5	200	100.00g/L (28°C)
Purple	5195	14720 + 42090	3-8	5	150	70.00g/L (28°C)
Raspberry Red	213	14720 + 15985	2-8	5	200	100.00g/L (28°C)
Strawberry Red	198	14720 + 16255	1-8	5	200	100.00g/L (28°C)
Violet	5145	14720 + 42090	2-8	5	200	120.00g/L (28°C)

# SYNTHETIC FOOD COLORS

## LAKE COLORS

Lake food colors are essentially pigments - popular as lake pigments - as their coloring is achieved by dispersion of colors that have different concentrations

### Main Uses

Animal Feeds, Bakery products, Beverages, Confectionery, Crayon Colors, Dairy Products, Desserts, Drinks (Alcoholic & Non-Alcoholic), Food, Identification of Agricultural seeds, Pet Foods, Pharmaceuticals, Toiletry Products, Toothpaste, Seasonings, Washing Powder, Writing Inks.

## Lake Food Colors

Product Name	Pantone®	E.C. No.	C.I. No.	Stability to			Water Solubility
				pH	Light	Heat °C (Maximum)	
Allura Red Lake	1797	E129	16035:1	2-7	5	100	Insoluble
Amaranth Lake	7433	E123	16185:1	3-6	5	100	Insoluble
Black PN Lake	7540	E151	28440:1	3-6	6	200	Insoluble
Brilliant Blue FCF Lake	300	E133	42090:2	4-5.5	5	100	Insoluble
Brown HT Lake	7624	E155	20285:1	2.5-7.5	5	150	Insoluble
Carmoisine Lake	200	E122	14720:1	3-5.5	5	100	Insoluble
Erythrosine Lake	1915	E127	45430:1	3-5	2	150	Insoluble
Indigo Carmine Lake	285	E132	73015:1	3-7	1	200	Insoluble
Patent Blue V Lake	2925	E131	42051:1	4-5.5	7	150	Insoluble
Ponceau 4R Lake	199	E124	16255:1	4-5	6	100	Insoluble
Quinoline Yellow Lake	102	E104	47005:1	4-6	7	150	Insoluble
Sunset Yellow FCF Lake	021	E110	15985:1	4-6	6	100	Insoluble
Tartrazine Lake	115	E102	19140:1	4-6	6	150	Insoluble

Lake Colors are available in different ranges concentrations

Low Strength	Medium Strength	High Strength
12% – 18%	22% – 28%	35% – 42%

# SYNTHETIC FOOD COLORS GRANULE COLORS

As per European Standards

Lake food colors are essentially pigments - popular as lake pigments - as their coloring is achieved by dispersion of colors that have different concentrations

## Principales Usos

Animal Feeds, Bakery products, Beverages, Confectionery, Crayon Colors, Dairy Products, Desserts, Drinks (Alcoholic & Non-Alcoholic), Food, Identification of Agricultural seeds, Pet Foods, Pharmaceuticals, Toiletry Products, Toothpaste, Seasonings, Washing Powder, Writing Inks.

## Granule Colors

Product Name	Pantone®	E.C. No.	C.I. No.	Stability to			Water Solubility
				pH	Light	Heat °C (Maximum)	
Allura Red Lake	1797	E129	16035	2-7	5	100	Insoluble
Amaranth Lake	7433	E123	16185	3-6	5	100	Insoluble
Black PN Lake	7540	E151	28440	3-6	6	200	Insoluble
Brilliant Blue FCF Lake	300	E133	42090	4-5.5	5	100	Insoluble
Brown HT Lake	7624	E155	20285	2.5-7.5	5	150	Insoluble
Carmoisine Lake	200	E122	14720	3-5.5	5	100	Insoluble
Erythrosine Lake	1915	E127	45430	3-5	2	150	Insoluble
Indigo Carmine Lake	285	E132	73015	3-7	1	200	Insoluble
Patent Blue V Lake	2925	E131	42051	4-5.5	7	150	Insoluble
Ponceau 4R Lake	199	E124	16255	4-5	6	100	Insoluble
Quinoline Yellow Lake	102	E104	47005	4-6	7	150	Insoluble
Sunset Yellow FCF Lake	021	E110	15985	4-6	6	100	Insoluble
Tartrazine Lake	115	E102	19140	4-6	6	150	Insoluble

Lake Colors are available in different ranges concentrations

Low Strength	Medium Strength	High Strength
12% – 18%	22% – 28%	35% – 42%

# pH

# Stability BIRTHDAY

## COLORANTES PARA ALIMENTOS

Esta tabla muestra la estabilidad de algunos colorantes alimentarios

Product	pH 3	pH 5	pH 7	pH 8
<u>Allura Red</u>	Stable	Stable	Stable	Stable
<u>Amaranth</u>	Stable	Stable	Stable	Stable
<u>Black PN</u>	Stable	Stable	Stable	Stable
<u>Brilliant Blue</u>	Slight Fade after 1 week	Stable	Very Slight Fade after 1 week	Very Slight Fade after 1 week
<u>Carmoisine</u>	Stable	Slight Fade after 1 week	Stable	Stable
<u>Chocolate Brown HT</u>	Stable	Stable	Stable	Stable
<u>Erythrosine</u>	Precipitates (Insoluble)	Stable	Stable	Stable
<u>Fast Green FCF</u>	Slight Fade after 1 week	Hazy Fade after one week	Slight Fade after 1 week	Slight Fade & hazy
<u>Green S</u>	Slight Fade after 1 week	Slight Fade after 1 week	Slight Fade after 1 week	Very Slight Fade after 1 week
<u>Indigo Carmine</u>	Appreciable Fade after 1 week	Slight Fade after 1 week	Considerable Fade after one week	Fades Completely
<u>Patent Blue V</u>	Appreciable Fade after 1 week	Appreciable Fade after 1 week	Appreciable Fade after 1 week	Appreciable Fade after 1 week
<u>Ponceau 4R</u>	Stable	Appreciable Fade after 1 week	Stable	Stable
<u>Quinoline Yellow WS</u>	Stable	Stable	Stable	Stable
<u>Sunset Yellow</u>	Stable	Stable	Stable	Stable
<u>Tartrazine</u>	Stable	Stable	Stable	Stable

# TYPES OF SOLVENTS



1,2-Dichloroethane	▪ 182.2°F (83.47°C)
1,4-Dioxane	▪ 213.8°F (101°C)
1-Butanol	▪ 243.9°F (117.7°C)
Acetic Acid	▪ 244.4°F (118°C)
Acetone	▪ 132.8°F (56°C)
Acetonitrile	▪ 179.6°F (82°C)
Benzene	▪ 176°F (80.1°C)
Butanone	▪ 175.4°F (79.64°C)
Carbon Tetrachloride	▪ 170.1°F (76.72°C)
Chloroform	▪ 142.2°F (61.2°C)
Diethyl Ether	▪ 94.28°F (34.6°C)
Dimethyl Sulfoxide	▪ 372.2°F (189°C)
Dimethyl-Formamide	▪ 307.4°F (153°C)
Ethanol	▪ 173.1°F (78.37°C)
Ethyl Acetate	▪ 170.8°F (77.1°C)
Ethylene Glycol	▪ 387.1°F (197.3°C)
Hexane	▪ 155.7°F (68.7°C)
Isopropyl Alcohol	▪ 180.5°F (82.5°C)
Methanol	▪ 148.5°F (64.7°C)
Methylene Chloride	▪ 103.3°F (39.6°C)
Tetrahydrofuran	▪ 150.8°F (66°C)
Toluene	▪ 231.1°F (110.6°C)
Trichloroethylene	▪ 189°F (87.2°C)
Xylene	▪ 140°C (284°F)







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The perfect  
balance between the  
Nature and Chemistry

In our approach it is to preserve the environment, so we strive to make our corporation contributes to the perfect balance between nature and chemistry