



**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

”



A&TC  
CHEMICALS

# 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



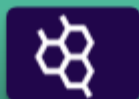
Flavors



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.

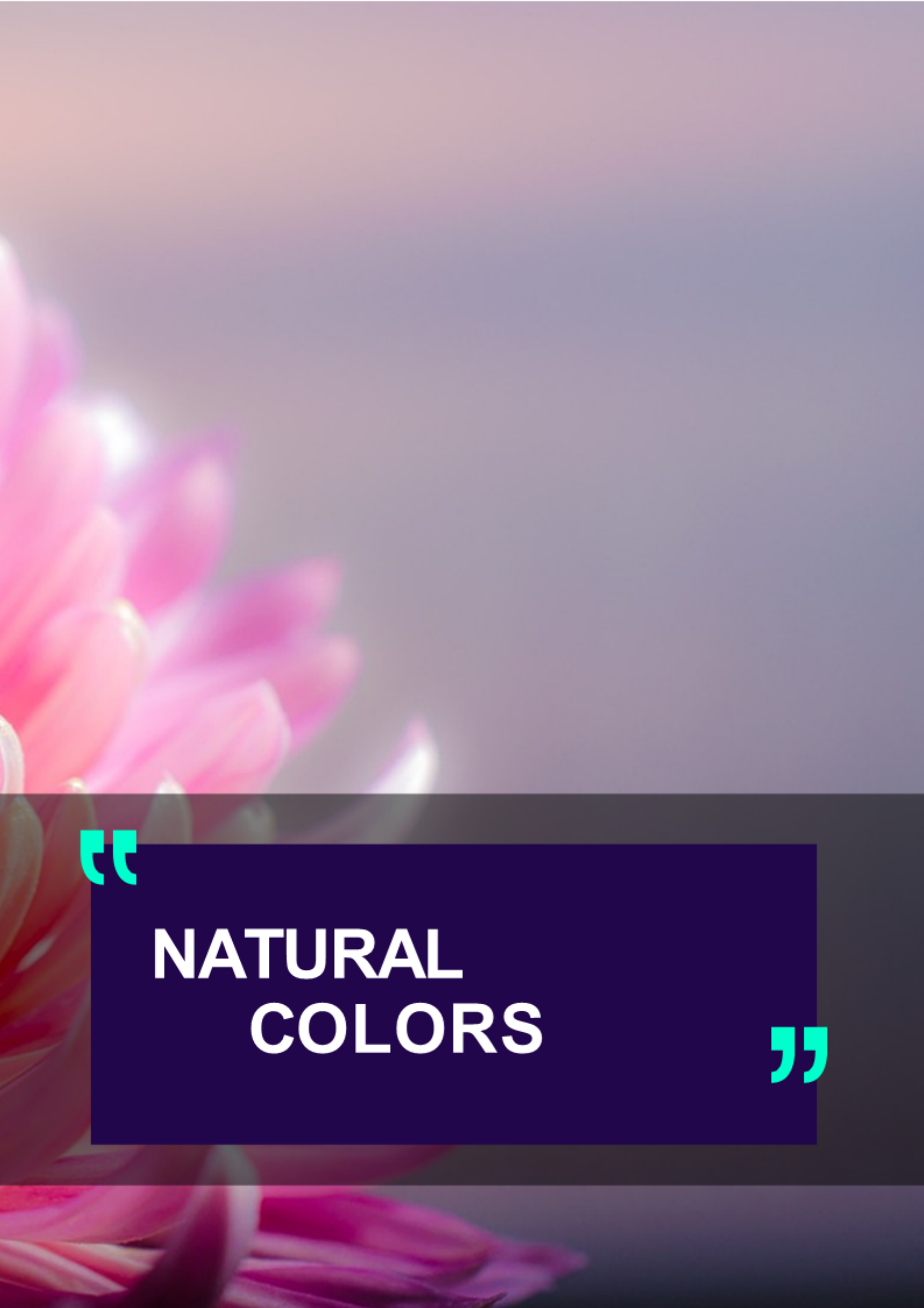


**FORTIFIED**  
SAHPOORNA POSHAN  
SWASTH JEEVAN





A&TC  
CHEMICALS



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**NATURAL  
COLORS**

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# NATURAL FOOD COLORS

## CARAMELS

*Caramelization produces hundreds of chemicals in a complex and vague way, caramel color is not a single substance but a combination. It has no specific ingredients.*

### Main Uses

*Bakery, Beer & spirit, Beverage with Alcohol, Meat, Confectionary, Drinks, Sauce & seasoning.*

## Natural Food Colors Caramels

| Natural Class | Common Names    | Pantone® | E.C. No. | Soluble in Solvents                     |
|---------------|-----------------|----------|----------|---|
| Class I       | Solvent Green 3 |          | E150a    | Whiskey and other high proof alcohols   |
| Class II      | Solvent Red 23  |          | E150b    | Cognac, Sherry and some Vinegars        |
| Class III     | Solvent Red 43  |          | E150c    | Beer, Sauces and Confectionery          |
| Class IV      | Solvent Red 48  |          | E150d    | Acidic environments such as soft drinks |

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## Natural Food Colors Caramels

| Natural Class            | Description  | Main Uses & Applications                          |
|--------------------------|--|---|
| <u>Class I – E150a</u>   | No ammonium or sulfite reactants, has a slight negative colloidal charge. It does not contain 4-Mel .                            | Bread, spirits, dairy, beverages and confections. |
| <u>Class II – E150b</u>  | With Sulfite reactant, but no ammonium. Also called caustic sulfite caramel, has a negative colloidal charge and without 4-Mel.  | Tea, whiskey, and brandy                          |
| <u>Class III – E150c</u> | With ammonium reactant, but no sulfite. Also called ammonia caramel, has a positive colloidal charge.                            | Color soy sauce and beer                          |
| <u>Class IV – E150d</u>  | With both sulfite and ammonia reactants. Also called sulfite ammonia caramel, has a strong negative charge over a wide pH range. | Soft drink industry.                              |

Standard Packing

1Kg

5Kgs

10Kgs

25Kgs

# NATURAL FOOD COLORS

## NATURAL COLORS

Natural colors are colors that are created or extracted from edible sources like fruits, vegetables, seeds, and minerals for the purpose of coloring food or beverage applications.

**Main Uses**

Bakery, Beer & spirit, Beverage with Alcohol, Meat, Confectionary, Drinks, Sauce & seasoning.

### Natural Food Colors



Carrots



Spinach



Purple Cabbage



Blueberries



Turmeric



Raspberries



Coffe



Beetroot

#### Tone Variation

#### Description



Anthocyanins from sources like purple corn, purple carrots, purple sweet potatoes, radishes, and elderberries.



Carmine color, beetroot, raspberries, also From the cochineal insect.



Betanins from beets.



Caramel color from charred vegetable matter like coconut husks, coffee.



Carotenoids from sources like annatto, beta-carotene, and paprika.



Chlorophylls from spinach, vegetables and grass.



Curcumin from turmeric root.

Standard Packing

1Kg

5Kgs

10Kgs

25Kgs



**A&TC**  
CHEMICALS

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

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### Natural Food Colors

| Name          | Description                                   | Pantone® | E.C. No. |
|---------------|---|----------|----------|
| Annatto       | Liquid /Powder(OS/WS)                         | 7581     | E160b    |
| Anthocyanin   | Liquid /Powder(OS/WS)                         | 683      | E163     |
| Beet root     | Liquid /Powder(OS/WS)                         | 214      | E162     |
| Beta carotene | Liquid /Powder(OS/WS)                         | 804      | E160a    |
| Chlorophyll   | Liquid /Powder (OS/WS) and Oil Soluble Liquid | 363      | E140     |
| Curcumin      | Oil Soluble                                   | 151      | E100     |
| Lutein        | Paste /Powder(OS/WS)                          | 7730     | E161b    |
| Turmeric      | Liquid /Powder(OS/WS)                         | 7569     | E100     |
| Paprika       | Liquid /Powder(OS/WS)                         | 7619     | E160c    |

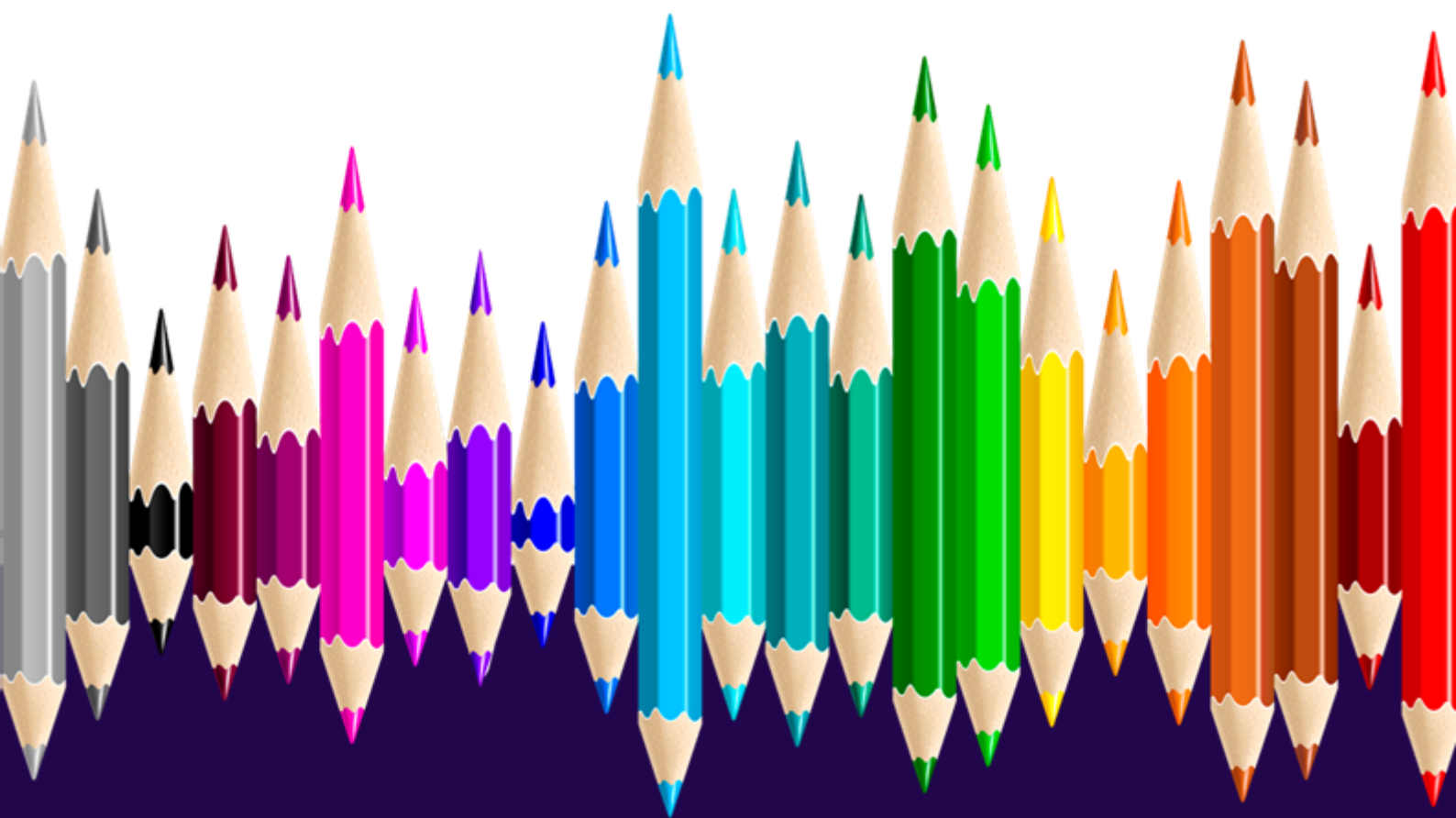
# pH

# 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                        |



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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.

# 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)     |







# OURS OFFICES



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Venezuela 



**A&TC**  
CHEMICALS



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