

*Realization of Colors..*



**RED SUN DYE CHEM**

**MANUFACTURERS & EXPORTERS OF  
SYNTHETIC ORGANIC FOOD COLORS  
LAKE COLORS • D & C COLORS  
FD & C COLORS • BLENDED FOOD COLORS**

**(A Govt. Recognised Star Export House)  
AN ISO 9001, ISO 14001 & ISO 45001  
CERTIFIED COMPANY**

*We believe in Customer Service with Quality.....*

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## Company Profile

**RED SUN GROUP** is a consistently growing dyestuff manufacturer offering quality products to its customer with a constant endeavor to expand its product range, capacity and customers to seek sustainable growth.

The major group companies are **RED SUN DYE CHEM** established in year 2000 and **RED SUN COLOR CHEM** established in year 2008, both based in Gujarat Industrial Development Corporation (GIDC) Estate, Vatwa, Ahmedabad, Gujarat, INDIA

We are involved in manufacturing of FOOD COLORS.

SALT FREE version available on select colors.

**RED SUN Group manufactured synthetic food colors** are mainly used in application on Ink, Cosmetics, Fertilizers, Crayons, Toothpaste, Detergents, Animal Feeds, Agricultural seeds (identification purpose) & Food Industry (Ranging from Beverages, Confectionary, Pharmaceutical Industries, Bakery Products). Our products are widely accepted and used internationally in territories across USA, Canada, South America, Africa, Europe and Asia.

Our own installed present annual production capacity is 3600 MTPA approx.

### QUALITY-INNOVATION-ENVIRONMENT

**RED SUN** products are known for its quality products in the market. We are certified with **ISO 9001:2008**.

**We have installed a well-equipped quality control laboratory.** Our quality concern is addressed by checking quality from raw material input stage, manufacturing in-process and that of the final product to match it to the required specification.

**RED SUN GROUP has its own most modern R&D laboratory** for its new product development and existing product manufacturing process upgradation. We are coming up with some value-added specialty products shortly as a part of our innovation and commitment to the industry.

Modernization is a part of our business culture and our effluent treatment plant is equipped with modern technology using evaporators for efficiency. **We have also obtained certification of ISO 14001 for our pollution control activities and environment conservation.**

We have memberships with various common effluent treatment agencies in the local industrial cluster which renders us an additional competitive edge while we take care of mother nature.

Health & Safety at work is our prime concern which forces us to follow the best operating practices to safeguard all our employees with safe working condition. **We are certified with ISO 45001 - A Health & Safety Management System.**

### CERTIFICATIONS :

- |   |             |
|---|-------------|
| ✓ FSSAI   | ✓ ISO 9001  |
| ✓ D&B NSIC SMERA Credit Rating Certification          | ✓ ISO 14001 |
| ✓ Trade Mark Registry - Government of India           | ✓ ISO 45001 |
| ✓ HALAL Certification - Jamiat Ulama Halal Foundation | ✓ GMP       |





## SYNTHETIC FOOD COLORS

Product Name	Quinoline Yellow	Tartrazine	Sunset Yellow	Erythrosine	Ponceau 4R	Allura Red 4R
Color Index No.	47005	19140	15985	45430	16255	16035
EFC No.	E 104	E 102	E 110	E 127	E 124	E 129
FD & C No.	-	Yellow 5	Yellow 6	Red 3		Red 40
Food Color Name	Yellow 13	Yellow 4	Yellow 3	Red 14	Red 7	Red 17
CAS No.	8004-92-0	1934-21-0	2783-94-0	16423-68-0	2611-82-7	25956-17-6
Class	Quino Phthalone	Monoazo (Pyrazolone)	Monoazo	Xanthine	Monoazo	Monoazo

### Specifications

Total Dye Content % Min.	70 / 78	87	87	87	87	87
Loss on Drying at 135°C & Sodium Chloride & Sulphates % Max.	30	13	13	13	13	13
Water Insoluble Matter % Max.	0.2	0.2	0.2	0.2	0.2	0.2
Ether Extracts % Max.	0.2	0.2	0.2	0.2	0.2	0.2
Subsidiary Dye % Max.	4.0	1.0	3.0	4.0	1.0	3.0
Dyes Intermediates % Max.	0.50	0.50	0.50	0.40	0.50	0.50
Unsulphonated Primary Aromatic Amines % Max.	0.01	0.01	0.01	0.01	0.01	0.01
Lead (AS "Pb") PPM (Max.)	10.00	10.00	10.00	10.00	10.00	10.00
Arsenic (AS "Pb") PPM (Max.)	1.00	1.00	1.00	1.00	1.00	1.00
Mercury (AS "Pb") PPM (Max.)	1.0	1.0	1.0	1.0	1.0	1.0
Chromium (AS "Pb") PPM (Max.)	5.0	5.0	5.0	5.0	5.0	5.0
Heavy Metal PPM Max.	40.00	40.00	40.00	40.00	40.00	40.00

### Solubility at room temperature

Water (gms./ltr.)	150.00	140.00	120.00	70.00	140.00	220.00
Glycerine (gms./ltr.)	40.00	150.00	160.00	20.00	10.00	30.00
Propylene Glycon (gms./ltr.)	40.00	50.00	20.00	50.00	50.00	15.00
Ethanol (95%) (gms./ltr.)	Trace	Trace	Trace	15.00	Trace	Trace

### Stability To

Acids	Excellent	Excellent	Excellent	Very Weak	Excellent	Excellent
Neutral	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Alkalines	Weak	Better	Better	Good	Good	Better
Baking 205°C (400°F)	Better	Best	Best	Good	Best	Better
Light	Best	Excellent	Better	Better	Better	Best
Heat	Better	Best	Best	Better	Best	Best





Carmoisine	Amaranth	Chocolate Brown HT	Brilliant Blue FCF	Indigo Carmine	Black PN	Red 2G	Fast Green FCF	Fast Red E
14720	16185	20288	42090	73015	28440	18050	42053	16045
E 122	E 123	E 155	E 133	E 132	E 151	E 128	-	-
-	Red 2	-	Blue 1	Blue 2	-	-	Green 3	-
Red 3	Red 9	Brown 3	Blue 2	Blue 1	Black 1	Red 10	Green 3	Red 4
3567-69-9	915-67-3	4553-89-3	3844-45-9	860-22-0	-	3734-67-6	-	2924
Monoazo	Monoazo	Disazo	Triaryl Methane	Indigold	Disazo	Monoazo	Triaryl Methane	Monoazo

87	85	70	87	85	80	85	85	85
13	15	30	13	15	20	15	13	15
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1.0	3.00	10.00	3.00	1.00	10.00	2.00	3.00	2.00
0.50	0.50	0.50	1.80 5% Leuco	0.50	0.80	0.50	1.3 5% Leuco	0.50
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
1.00	1.00	1.00	1.00	1.00	3.00	3.00	3.00	1.00
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5.0	5.0	5.0		5.0	5.0	5.0	5.0	5.0
40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00

120.00	140.00	180.00	200.00	12.00	50.00	180.00	200.00	140.00
120.00	100.00	50.00	190.00	5.00	5.00	10.00	190.00	500.00
50.00	50.00	15.00	200.00	5.00	10.00	30.00	200.00	50.00
Trace	Trace	Insoluble	15.00	Trace	Trace	Trace	15.00	Trace

Excellent	Excellent	Excellent	Good	Better	Excellent	Excellent	Good	Excellent
Excellent	Excellent	Excellent	Better	Weak	Excellent	Excellent	Better	Excellent
Better	Good	Better	Best	Very Weak	Good	Best	Best	Good
Good	Good	Better	Best	Very Weak	Weak	Better	Best	Best
Best	Best	Best	Best	Good	Excellent	Excellent	Best	Better
Better	Better	Best	Best	Very Weak	Very Weak	Best	Best	Best



## BLENDED FOOD COLORS

**RED SUN** Blended Food Colors are inspired from the want of imparting the corresponding color of the natural matter to the food products flavored with the taste/essence of the corresponding natural tastes of the flavors matching to each other to give the food products and colorants more naturality and acceptance. This is done with combination of two or more highly water soluble colors. We are capable of giving more customized blended colors matching to your target sample. To be used in accordance with federal FDA control authority regulations.

Egg Yellow	Lemmon Yellow	Kesari B	Kesar Supra	Orange Red	Rose Pink	Strawberry Red	Tomato Red	Raspberry Red	Apple Green	Pea Green	Chocolate Brown	Chocolate Brown HT	Dark Grey	Black CTB

## LAKE FOOD COLORS

Common Name	Other Name	Colour Index No.
Lake Tartrazine	19140:1	E-102
Lake Sunset Yellow FCF	15985:1	E-110
Lake Ponceau 4R	16255:1	E-124
Lake Carmoisine	14720:1	E-122
Lake Indigo Carmine	73015:1	E-132
Lake Erythrosine	45430:1	E-127
Lake Brilliant Blue FCF	42090:1	E-133
Chocolate Brown HT	20285:1	E-155
Lake Amaranth	16185:1	E-123
Lake Quinoline Yellow	47005:1	E-104
Lake Allura Red	16035:1	E-129

## FD & C COLORS

FD & C Yellow 5 FD & C Red 2

FD & C Yellow 6 FD & C Red 3

FD & C Blue 1 FD & C Red 4

FD & C Blue 2 FD & C Red 40

FD & C Green 3

## D & C COLORS

D & C Yellow 10 D & C Red 30

D & C Yellow 11 D & C Red 33

D & C Orange 4 D & C Green 5

D & C Red 22 D & C Green 6

D & C Red 28 D & C Green 8





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