



NARMADA COLOURS



Colours of your Choice. Colours of your success.



NARMADA COLOURS PVT. LTD.
(ISO 9001:2008, HACCP & WHO-GMP Certified Firms)



Head Office : 431, Sanghrajka House, 4th Floor, Dr. D. B. Marg, Opera House, Mumbai - 400 004, India.

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Works : Plot No. 282, 278 (2) Village Kardej (Navagam) Bhavnagar - Rajkot Road, Dist : Bhavnagar, Gujarat - 364060, India

Email : works@narmadacolours.com

COMMERCIAL INFORMATION

NAME OF THE COMPANY **NARMADA COLOURS PVT. LIMITED**

**OFFICE ADDRESS
& CONTACT DETAILS**

4th floor, Sanghrajka House,
431, Dr. D. B. Marg, Opera House, Mumbai - 400 004, India.
Tel No. : 0091 - 22 - 23801315 / 23801316 / 23872721
Fax No. : 0091 - 22 - 23801337
Email : sales@narmadacolours.com (for Domestic Enquiry)
export@narmadacolours.com (for Export Enquiry)
Website : www.narmadacolours.com

**FACTORY ADDRESS
& CONTACT DETAILS**

Plot No. 282, 278 (2) Village Kardej (Navagam)
Bhavnagar - Rajkot Road, Dist : Bhavnagar, Gujarat - 364060, India
Email : works@narmadacolours.com

BANKERS

Union Bank Of India
Mumbai / Bhavnagar

Dena Bank
Mumbai / Ahmedabad / Bhavnagar

HDFC Bank
Mumbai / Bhavnagar

ICICI Bank
Mumbai



COMPANY PROFILE

NARMADA COLOURS PVT. LTD. is a member unit of DADAJEE DHACKJEE GROUP, which is a premier business house completed more than 100 years of business, established in 1894, venturing into various industries like Dyes & Chemicals, Construction, Garments, Diamonds, Finance Investments, Automobiles, Safe vaults, Infotech & Logistics..

NARMADA is one of the leading producers in the world to provide a wide range of high quality colours; water soluble and insoluble - lakes & solvent dyes for catering to food, drug and cosmetic manufacturing industries through out the world.

NARMADA has an established manufacturing infrastructure, technical man power base, land, capital, and all the regulatory permits for food colours manufacturing to service the domestic as well international markets.

NARMADA's goal is to build effective and profitable relationship with importers, traders, merchant exporters and end users, through out the world, by consistently providing qualitative products and dependable & reliable service. In fact Narmada aims for exceeding the expectation of customers and hence NARMADA, at all levels of the company, has focused on improving operators, increasing productivity and cutting cost.

The rapidly growing demand for its products has necessitated an expansion at NARMADA. Today, NARMADA has three fully equipped manufacturing units to produce the various kinds of food dyes. These manufacturing units are situated at Bhavnagar (Gujrat State), the western part of India; and all three units are situated one besides other on its owned land, admeasuring to 50000 sq. meter, with build up area of around 20000 sq. meter with 250 skilled manpower in all 3 shifts.

All required raw materials are purchased, only from approved suppliers, based on quality, price and service NARMADA work with its raw material suppliers to ensure the highest standards are maintained both by regular auditing of manufacturing sites and through the testing of product at in-house laboratory. NARMADA has a complete laboratory in-house, equipped with all required and most sophisticated kind of analytical instruments where raw materials, in process and finished products are rigorously tested. Each batch is fully characterized to meet customers' requirements & specifications. The list of analysis instruments includes Atomic absorption Spectrophotometer, UV Spectrophotometer, Colour Matching System, HPLC and other regular kind of instruments and glass apparatus. Its stringent quality control policy has resulted in NARMADA being ISO 9001 - 2008, HACCP & WHO-GMP certified firm. Narmada's products are KOSHER & HALAL Certified.

Today, NARMADA offers the most comprehensive colour range, which includes water soluble grade of colours - in customized forms; powder, granules, liquid and package sizes, insoluble lakes, and US-FDA Certified Food & Cosmetic Grade of colours and EEC (Europe) Standards.



ISO Certified Company

Company follows strict laid down procedures to provide quality service and customer satisfaction, Company got ISO certification in from 1999.

Quality procedures of Food Colours

Narmada Colours produces Food Colors meeting internationally recognized specifications such as FDA, USA or WHO or EU standards) Having a sophisticated in house laboratory, raw materials, under process goods & finish goods are tested rigorously to maintain consistency in Quality.

Marketing in Distribution Network

To reach all the domestic & overseas Food, Pharmaceutical & Cosmetic Industry. Narmada Colours have various branch offices in mega city of India & have set up a distribution network in various countries to cater the international market. A professionally manage sales force help in constant increase in sales and market share.

Environment Protection

Concern for the environment is of paramount importance at Narmada Colors, we have the most efficient effluent treatment plant which more than fulfills the requirements of the Pollution Control Board of the State

Our Commitment

We believe in Customer satisfaction though consistence in Quality and Service achieved through laid down Procedures and Systems.

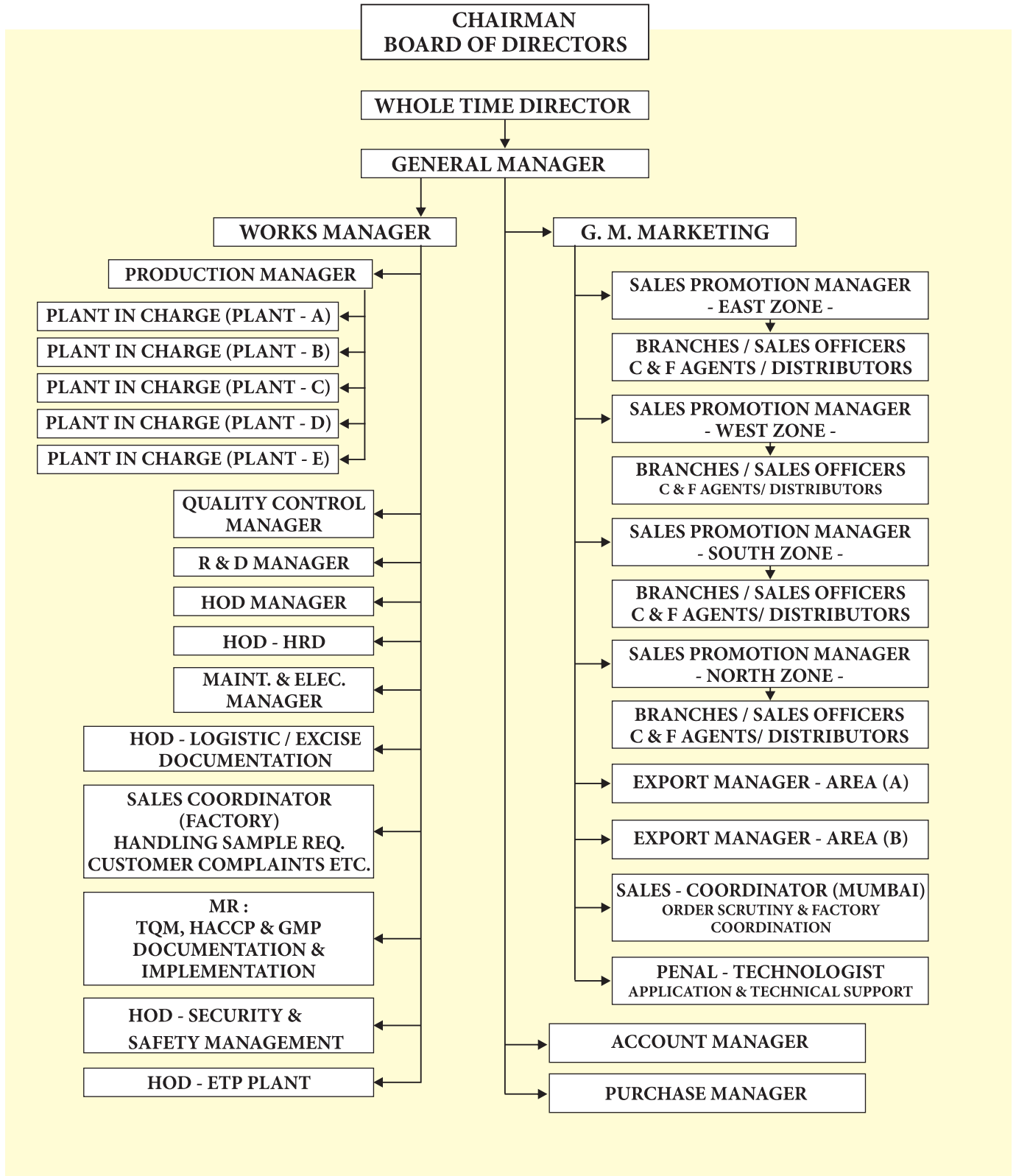
Towards Tomorrow

At all levels the company is focused on improving operators, increasing productivity, cutting costs and increasing market share. All goal is to exceed expectations of our customers and be a one stop for their requirements of colours and taste.





MANAGEMENT AND MANAGERIAL PERSONNEL





REPUTED BUYERS TRUST NARMADA

TRUSTED OVER
100
YEARS



- More than 100 years' experience of colourants business, part of 1894 established company.
- Most comprehensive colour range.
- In-house most sophisticated analysis facilities
- Consistency of quality
- Reliability
- Products with high tinctorial strength
- Products with high light & heat stability
- Cost effectiveness
- Worldwide distribution
- ISO 9001 - 2008, HACCP WHO - GMP Certified Company, KOSHER & HALAL Certified Products
- Available team of experienced chemists & colour technologists for technical support
- Customer friendly approach
- Customised market forms and package sizes



EXPORTS

WE HAVE BEEN SECURED AND EXECUTED NUMEROUS EXPORT ORDERS
OVER 50 COUNTRIES ACROSS 6 CONTINENTS WHICH INCLUDES:

- 
- | | | |
|------------------|---------------|------------------|
| ● ARGENTINA | ● FRANCE | ● SAUDI ARABIA |
| ● AUSTRALIA | ● GERMANY | ● SINGAPORE |
| ● ABIDJAN | ● GREECE | ● SOUTH AFRICA |
| ● BANGLADESH | ● HONG KONG | ● SPAIN |
| ● BELGIUM | ● IRAN | ● SRILANKA |
| ● BRAZIL | ● IVORY COAST | ● SWEDEN |
| ● BULGARIA | ● JAPAN | ● SYRIA |
| ● BRAZIL | ● JAMAICA | ● TAIWAN |
| ● BULGARIA | ● JORDAN | ● TANZANIA |
| ● BURMA | ● KENYA | ● TURKEY |
| ● CANADA | ● KOREA | ● TUNESIA |
| ● CHINA | ● MALAYSIA | ● U.A.E. |
| ● CAMEROUN | ● NETHERLANDS | ● U.S.A. |
| ● CZECH REPUBLIC | ● NEW ZEALAND | ● UGANDA |
| ● DUBAI | ● PHILIPPINES | ● UNITED KINGDOM |
| ● EGYPT | ● POLAND | ● YEMEN |
| ● ETHIOPIA | ● PALESTINE | ● ZAMBIA |



TYPICAL APPLICATIONS



NarmaCol Water Soluble Food Colours

FOODSTUFFS

Baked goods	Gold fingers
Beverages	Ice creams
Boiled sweets	James & jellies
Banana Chips	Juices
Cake mixes	Meat & fish products
Confectioneries	Nuts
Candy cream centres	Pan coated candies
Candy starch jellies	Pan chatnies
Cherries	Pet Foods
Colourd sugar	Papad
Diary products	Pudding mixes
Drink Powders	Sweets
Eggs colouring	Soft drinks
Farshans	Sausage casings
Flavoured milk	Sea foods
Gelatin desserts	



NarmaLake Insoluble Food Colour Lakes

FOODSTUFFS

Cake & doughnut mixes	Oil based coatings
Coated tables	Pet foods
Chewing or ball gum	Retored milk products
Compression tablets	Stripped candles
Decorating sugar crystals	Soft drink powders
Dessert powders	Shading creams
Dry beverages	Snack food
Fillings	Spice compounds
Frosting sugars	Variegating sauces
Fat based coatings	Wax coating for cheese
Hard candy wafers	Yogurt
Icings and fondant coatings	

PHARMACEUTICALS, COSMETICS & OTHERS



Artificial flowers	Foam baths	Pharmaceutical suspensions
Alcohol base perfumes	Holi colours	Plastic films
Mosquito coils	Inks	Plastic toys
Biological stain	Kum-kum	Plastic containers
Coatings & can lining	Liquid soaps	Shampoos
Cosmetic powders	Lipstics	Sketch pen inks
Creams	Lotions	Sugar coated tablets
Detergents	Mouth wash Shower gel	Toilet soaps
Direct compression tablets	Marking inks	Toothpaste
Eye make-up	Nail lacquers	Water based inks
Fats & waxes Film coated-	Oil based products	Water based syrup
Tablets	Ointments	Wet granulations





HANDELLING INSTRUCTIONS

Colours fascinate every soul, except the unfortunate blind ones. It is proven fact that food acceptance, both visual and gustatory, is irrevocably bonded to the colour that consumer associates with the type of product he or she is buying. Thus if doesn't look right, it won't taste right and thereof.... it isn't right. We have been accustomed to food colours right from prehistoric times.

The colouring of foodstuffs may be achieved by simple incorporation of food dye, usually dissolved or dispersed in suitable solvents (like water, alcohols - especially ethanol and glycol and vegetable oil) , or by a staining process or very occasionally by a dyeing process.

Making good more inevitable and palatable is the primary business of NARMADA.

NARMADA offers food colours with features like freedom from toxicity, high rate of solubility in water, ethanol, and glycerol or in other media of incorporation, attractiveness of hue and resistance as appropriate to other components of the end products, such as alkalis, acids, flavouring materials, preservatives, and to exposure to heat, light and bacterial action. However, the intensity of the rate of all these features varies from product to product, depending on the principal characteristics of the individual product.

If due precautions are taken at the time of usage of colours, one can obtained optimum result for betterment of end resulted foodstuffs and also for health safety & hygiene. We suggest the following important things to be taken care of while use of food colours.

- a) When dissolving food colours the required amount of colour should be mixed into paste using cold water. Boiling water should than be added, stirring continuously, until complete dissolution of colours. Undissolved colour will leads to specking, spotting, weak colour and other undesired result.
- b) Avoid use of hard water, as presence of calcium and magnesium ions leads to sediments, which appears as sludge in the bottom of the solution. It is therefore advisable to use distilled, dematerialized or soften water.
- c) Where possible more diluted stock solutions would be desirable to obtain deposit free results, particularly over long periods of time.
- d) Always prefer to use fresh colour solution. But, if colour solution is required to be kept overnight or longer, it must be preserved or refrigerated. The colour solution containing Erythrosine, can be ideally preserve for long period, by keeping presence of 10% - 15% of propylene glycol into the stock solution. And solution of other colours can be preserved by using 0.1% of sodium benzoate plus either 0.08% of phosphoric acid or 0.06% of citric acid. But it is ideally desired to always use fresh colour solution.

It is most important to add sodium benzoate first and than acid. It order is reversed precipitation will take place and stock soluble can not be ideally preserved for future use.

- e) If process permits avoid high temperature and pressure while process and ensure that colour addition is to be made at last possible stage, as most of the colours, except Erythrosine, are unstable at prolonged heat, Like wise it is also necessary to protect the coloured foodstuffs from extensive exposure to direct sunlight and ultraviolet light.



HANDELLING INSTRUCTIONS

- f) For better results during process, protect colours from :
- * Oxidising agents, such as : Ozone, chlorine and hypochlorite (their presence leads to decomposition of colour)
 - * Reducing agents, such as : Sulphur dioxide, invert sugars, sensitive flavours, metallic ions, ascorbic acid (their presence / excessive presence leads to noticeable doecolourisation)
 - * Growth of microorganism, particularly Mold and reducing bacteria cause most effective decolouration. This can be prevented by maintaining temperature and humidity along and good house keeping.
 - * Working at strong acidic or alkali condition, as few of the colours are very sensitive at strong alkali or acidic condition.
- g) Always avoid use of sensitive kind of vessels and accessories, such as made of alumium, zinc or iron, for dissolving, processing and preserving the stock solutions. Equipments made of stainless steel, glass or glass lined, monel etc. are more suitable, which are non reactive to colour.
- h) Ensure that colour should be weighed for the required dosage, rather it is measure with cup, and spoon or scoop, as density of dry colour varies from batch to batch.
- i) Presence of proteins might also react and lead to colour loss. This particularly applies to fish and meat processing.

SAFETY MEASURES

- a) Food colours should be handled by authorized and trained personnel only, excepting when transporting the closed containers.
- b) Food colours and stock solution should be stored, opened and weighted out in areas preferably reserved for this purpose. Storage and handling areas should be dry and not subject to extremes temperature. Packages should not be stored near direct sources of heat. Storage and handling areas and all processing equipments in which food colours are used should have effective ventilation. Packages of food colours should be stored tidily and accessibly, with clear labels indicating their contents.
- c) Suitable equipment such as scoop / spoon should be provided for handling food colours. Such equipment should be kept clean and prefeably reserved for food colours handling only.
- d) Spillage of colour should be cleared up as soon as possible.
- e) Waste material including spillage and emptied containers which have held food colour should be disposed of with reference to current legislation of the country in which the food colours are being used.
- f) Ensure that only permitted colours are to be used and they must comply with the legislation of the in which it is used, NARMADA is producing the colours to meet the various specifications and Government Regulations current in most countries throughout the world.



FIRE AND DUST HAZARDS

- a) The nature of food colours from NARMADA is such that they do not ignite easily. High temperature generated from combustion or other more flammable materials will cause the colours to smoulder and burn.
- b) Under normal condition, food colours do not present a significant dust explosion hazard. However, the possibility of an explosion or fire from dust in the working environment should not be ignored and precautions should be taken to minimize the creations or dust by good housekeeping and to prevent ignition of any unavoidable dust by good earthing of plant and removal or naked flames and sources of heat.

HEALTH AND HYGIENE

- a) NARMADA COLOURS conform to the statutory regulations and specifications appropriate to the country of use. They have been subjected to extensive toxicological testing and have been shown to be safe for use as food additives; they do not present any significant toxic hazards to users. Nevertheless, it is essential that all handling and use of food colours should be the subject to high standards of industrial hygiene and safe working practice.
- b) Protective clothing such as overalls, gloves, dust masks and eye protection should be worn when handling food colours. All skin and eye contact with food colours should be avoided. If skin contact does occur, washing with clean water is necessary. If eye contact occurs, the eye must be thoroughly irrigated with clean water and as an added precaution the person should be medically examined.
- c) When handling food colours, ingestion or inhalation of abnormal quantities of dust should be avoided. In extreme cases, medical advice should be sought.



LIST OF LABORATORY EQUIPMENTS

Sr. No.	Name of Equipment	Make	Range Size	Accuracy
1.	UV Spectrophoto Meter	Shimadzu, Japan UV - 1601	200 - 1100 nm	+/-1.0 nm
2.	UV Spectrophoto Meter	Shimadzu, Japan UV - 1202	200 - 1100 nm	+/-1.0 nm
3.	Atomic Absorption	Perkin Elmer, USA Sectrophoto Meter	189 - 900 nm AA 400	+/-1.0 nm
4.	Colour Matching	Premier, Mumbai Sectrophoto Meter	300 - 700 nm Spectra Scan 5100	+/-1.0 nm
5.	H P L C	Shimadzu, Japan	- LC - 10	-
6.	Muffle Furnace	LAB HOSP	0 - 1000° C	+/-05° C
7.	Electric Oven (1)	Parikh	0 - 250° C	+/-01° C
8.	Electric Oven (1)	Parikh	0 - 250° C	+/-01° C
9.	pH Meter	Control Dynamic	0 - 13	+/-0.05
10.	Ultra Violet Cabinet	Narmada	365.5	-
11.	Lovibond Tintometer	Allied Instruments	-	-
12.	Single Pan Balance	Dhona	100 g	+/-0.001 g
13.	Single Pan Balance	Dhona	200 g	+/-0.001 g
14.	Other Regular Lab - Apparatus & Glass Equipments			



NARMADA COLOURS PVT. LTD.
(ISO 9001:2008, HACCP & WHO-GMP Certified Firms)



PRODUCT RANGE

NarmaCol

(WATER SOLUBLE FOOD COLOURS)

NarmaCert

(US FDA CERTIFIED COLOURS)

NarmaLake

(INSOLUBLE ALUMINUM LAKES)

NarmaGran

(DUST FREE GRANULES)

NarmaCos

(COSMETIC COLOURS)

NarmaNatuocol

(NATURAL FOOD COLOURS)

NarmaDrugocol

(DRUG COLOURS)

NarmaInk

(INK COLOURS)

NarmaLiq

(LIQUID FOOD COLOURS)

NarmaBlend

(FOOD COLOUR BLENDS)

PACKING RANGE





PACKING MATERIALS

SPECIFICATION

Sr. No.	Packing Size	Products	Dimensions	Weight		
				Net	Gross	Tare
1.	25 KG. HDPE Carboys	Food Colours Cosmetic Colours	22.5" x 13" 35 litres / open mouth	25 kg.	27.1 KG.	2.1 kg.
2.	1 x 6 Kg. HDPE Jar	Food Colours Cosmetic Colours	335 x 210 x 210 mm Packed, as 1 x 6kg., in corrugated box	6kg.	6.7 KG.	0.7 kg.
3.	2 x 6 Kg. HDPE Jar	Food Colours Cosmetic Colours	335 x 410 x 410 mm Packed, as 2 x 6kg., in corrugated box	12kg.	13.4 KG.	1.4 kg.
4.	4 x 6 Kg. HDPE Jar	Food Colours Cosmetic Colours	335 x 410 x 410 mm Packed, as 4 x 6kg., in corrugated box	24kg.	26.7 KG.	2.7 kg.
5.	6 x 6 Kg. HDPE Jar	Food Colours Cosmetic Colours	335 x 610 x 410 mm Packed, as 6 x 6kg., in corrugated box	36kg.	39.8 KG.	3.8 kg.
6.	1 KG HDPE Bottle	Food Colours Cosmetic Colours	240 x 612 x 530 mm Packed, as 4 x 5 x 1kg., in corrugated box	20kg.	24.8 KG.	4.8 kg.
7.	500 G. HDPE Bottle	Food Colours Cosmetic Colours	490 x 530 x 432 mm Packed, as 6 x 10 x 500 g., in corrugated box	30kg.	34.3 KG.	4.3 kg.
8.	100 G. HDPE Bottle	Food Colours Cosmetic Colours	500 x 508 x 402 mm Packed, as 30 x 10 x 100 g., in corrugated box	30kg.	36.7 KG.	6.7 kg.
9.	10 KG. HDPE Carboys	Lakes Oil Colours	22.5" x 13" 35 litres / open mouth	10kg.	12.1 KG.	2.1 kg.
10.	1 x 2.5 Kg. HDPE Jar	Lakes	335 x 210 x 210 mm Packed, as 1 x 2.5 kg., in corrugated box	2.5kg.	3.2 KG.	0.8 kg.
11.	2 x 2.5 Kg. HDPE Jar	Lakes	335 x 410 x 210 mm Packed, as 2 x 2.5 kg., in corrugated box	5 kg.	6.4 KG.	1.4 kg.
12.	4 x 2.5 Kg. HDPE Jar	Lakes	335 x 410 x 210 mm Packed, as 4 x 2.5 kg., in corrugated box	10 kg.	12.7 KG.	2.7 kg.
13.	6 x 2.5 Kg. HDPE Jar	Lakes	335 x 610 x 410 mm Packed, as 6 x 2.5 kg., in corrugated box	15 kg.	18.8 KG.	3.8 kg.
14.	500 G. HDPE Bottle	Lakes	240 x 612 x 530 mm Packed, as 4 x 5 x 500 g., in corrugated box	10 kg.	14.8 KG.	4.8 kg.
15.	30 Kg. HDPE Carboys	Blended Food Colours	22.5" x 13" 35 litres / open mouth	30 kg.	32.1 KG.	2.1 kg.
16.	10 Kg. HDPE Jar	Blended Food Colours	335 x 210 x 210 mm Packed, as 1 x 10 kg., in corrugated box	10 kg.	10.7KG.	0.7 kg.
17.	2 x 10 Kg. HDPE Jar	Blended Food Colours	335 x 410 x 210 mm Packed, as 2 x 10 kg., in corrugated box	20 kg.	21.4 KG.	1.4 kg.
18.	1 Kg. PET Bottles	Blended Food Colours	400 x 415 x 362 mm Packed, as 30 x 1 kg., in corrugated box	30 kg.	40.0 KG.	10 kg.
19.	500 G. PET Bottles	Blended Food Colours	400 x 415 x 362 mm Packed, as 60 x 500 g., in corrugated box	30 kg.	41.8 KG.	11.8 kg.
20.	100 G. PET Bottles	Blended Food Colours	500 x 508 x 402 mm Packed, as 30 x 10 x 100 g., in corrugated box	30 kg.	38.5 KG.	8.5 kg.
21.	10 G. HDPE Bottle	Blended Food Colours	500 x 508 x 402 mm Packed, as 300 x 10 x 10 g., in corrugated box	30 kg.	47.8 KG.	17.8 kg.



NarmaCol (WATER SOLUBLE FOOD COLOURS)

PRODUCTS	C.I. NO.	C.I. NAME	EEC REF.	F D A REFERENCE NO.
NarmaCol - Allura Red	16035	Food Red 17	E 129	F D & C Red No. 40
NarmaCol - Amaranth	16185	Food Red 9	E 123	-
NarmaCol - Black PN	28440	Food Black 1	E 151	-
NarmaCol - Brill. Blue FCF	42090	Food Blue 2	E 133	F D & C Blue No. 1
NarmaCol - Brown HT	20285	Food Brown 3	E 155	-
NarmaCol - Carmoisine	14720	Food Red 3	E 122	-
NarmaCol - Erythrosine	45430	Food Red 14	E 127	F D & C Red No. 3
NarmaCol - Fast Green FCF	42053	Food Green 3	-	F D & C Green No. 3
NarmaCol - Green S	44090	Food Green 4	E 142	-
NarmaCol - Indigo Carmine	73015	Food Blue 1	E 132	F D & C Blue No. 2
NarmaCol - Patent Blue V	42051	Food Blue 5	E 131	-
NarmaCol - Ponceau 4R	16255	Food Red 7	E 124	-
NarmaCol - Quinoline Yellow WS	47005	Food Yellow 13	E 104	-
NarmaCol - Red 2 G	18050	Food Red 10	E 128	-
NarmaCol - Sunset Yellow FCF	15985	Food Yellow 3	E 110	F D & C Yellow No. 6
NarmaCol - Tartrazine	19140	Food Yellow 4	E 102	F D & C Yellow No. 5

NarmaLake (INSOLUBLE ALUMINIUM LAKES)

PRODUCTS	C.I. NO	C.I. NAME	EEC REF.	F D A REFERENCE NO.
NarmaLake - Allura Red	16035:1	Food Red 17:1	E 129	F D & C Red No. 40:1
NarmaLake - Amaranth	16185:1	Food Red 9:1	E 123	-
NarmaLake - Black PN	28440:1	Food Black 1:1	E 151	-
NarmaLake - Brill. Blue FCF	42090:2	Food Blue 2:2	E 133	F D & C Blue No. 1:1
NarmaLake - Brown HT	20285:1	Food Brown 3:1	E 155	-
NarmaLake - Carmoisine	14720:1	Food Red 3:1	E 122	-
NarmaLake - Erythrosine	45430:1	Food Red 14:1	E 127	-
NarmaLake - Indigo Carmine	73015:1	Food Blue 1:1	E 132	F D & C Blue No. 2:1
NarmaLake - Patent Blue V	42051:1	Food Blue 5:1	E 131	-
NarmaLake - Ponceau 4R	16255:1	Food Red 7:1	E 124	-
NarmaLake - Quinoline Yellow WS	47005:1	Food Yellow 13:1	E 104	-
NarmaLake - Red 2 G	18050:1	Food Red 10:1	E 128	-
NarmaLake - Sunset Yellow FCF	15985:1	Food Yellow 3:1	E 110	F D & C Yellow No. 6:1
NarmaLake - Tartrazine	19140:1	Food Yellow 4:1	E 102	F D & C Yellow No. 5:1

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



SPECIFICATION SHEET

NarmaCol (SUPRA GRADE) & **NarmaBlend** (BLENDED) FOOD COLOURS

PRODUCT	PRODUCT
NarmaCol Lemon Yellow	NarmaCol Chocolate TAS
NarmaCol Egg Yellow	NarmaCol Carmelene
NarmaCol Keshar	NarmaCol Masala Soda
NarmaCol Keshari B	NarmaCol Coco R
NarmaCol Mithai Pilla / Sweet Yellow	NarmaCol T Brown
NarmaCol Orange Red	NarmaCol Choco Brown
NarmaCol Peach	NarmaCol Dark Chocolate
NarmaCol Strawberry	NarmaCol Coffee Brown
NarmaCol Pink Erythro	NarmaCol Lime Green
NarmaCol Bright Pink	NarmaCol Apple Green
NarmaCol Pink Rose	NarmaCol Pea Green
NarmaCol Cherry Red	NarmaCol Mint Green
NarmaCol Tomato Red	NarmaCol Bright Blue
NarmaCol Raspberry-Red	NarmaCol Blueberry
NarmaCol Blood Red	NarmaCol Royal Blue
NarmaCol Vimto	NarmaCol Bright Purple
NarmaCol Vino	NarmaCol Falsa / Grape Juice
NarmaCol Kalakhatta	NarmaCol Dragee Black
NarmaCol Chocolate FCF	NarmaCol Black Current
NarmaCol Kola / Kola Chocolate	NarmaCol Bright Black Current
NarmaCol Chocolate T	NarmaCol Jet Black FCF

SPECIFICATION (BLENDED SUPRA)	REQUIREMENTS
Total dye content, percent by mass, min :	85
Water insoluble matter, percent by mass, max :	0.2
Combined ether extract, percent by mass, max :	0.2
Arsenic (As as), mg / kg, max :	3
Lead (As Pb), mg / kg, max :	10
Mercury (As Hg), mg / kg, max :	1
Chromium (As Cr), mg / kg, max :	15
Cadmium, mg / kg, max :	1
Copper, mg / kg, max :	10
Heavy metal, mg / kg, max :	40

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



NarmaCert (US FDA CERTIFIED COLOURS)

PRODUCTS	C.I. NO.	C.I. NAME	EFC REF.	F D A REFERENCE NO.
NarmaCert - Alizarin Cyanine Green F	61570	Acid Green 25	-	D & C Green No. 5
NarmaCert - Allura Red	16035	Food Red 17	E 129	F D & C Red No. 40
NarmaCert - Brill. Blue FCF	42090	Food Blue 2	E 133	F D & C Blue No. 1
NarmaCert - Eosin YS	45380	Acid Red 87	-	D & C Red No. 22
NarmaCert - Erioglaurine	42090	Acid Blue 9	-	D & C Blue No. 4
NarmaCert - Erythrosine	45430	Food Red 14	E 127	F D & C Red No. 3
NarmaCert - Fluorescein Acid	45350:1	Solvent Yellow 94	-	D & C Yellow No. 7
NarmaCert - Fuchsine Red D	17200	Acid Red 33	-	D & C Red No. 33
NarmaCert - Helindine Pink CN	73360	Vat Red 1	-	D & C Red No. 30
NarmaCert - Indigo Carmine	73015	Food Blue 1	E 132	F D & C Blue No. 2
NarmaCert - Orange II	15510	Acid Orange 7	-	D & C Orange No. 4
NarmaCert - Ponceau SX	14700	Food Red 1	-	F D & C Red No. 4
NarmaCert - Quinoline Yellow SS	47000	Solvent Yellow 33	-	D & C Yellow No. 11
NarmaCert - Quinoline Yellow WS	47005	Food Yellow 13	E 104	D & C Yellow No. 10
NarmaCert - Sunset Yellow FCF	15985	Food Yellow 3	E 110	F D & C Yellow No. 6
NarmaCert - Tartrazine	19140	Food Yellow 4	E 102	F D & C Yellow No. 5
NarmaCert - Tetrabromofluorescein	45380:2	Solvent Red 43	-	D & C Red No. 21
NarmaCert - Toney Red	26100	Solvent Red 23	-	D & C Red No. 17
NarmaCert - Uranine Yellow	45350	Acid Yellow 73	-	D & C Yellow No. 8
NarmaCert - Lake Allura Red	16035:1	Food Red 17	E 129	F D & C Red No. 40
NarmaCert - Lake Brill. Blue FCF	42090:2	Food Blue 2	E 133	F D & C Blue No. 1
NarmaCert - Lake Indigo Carmine	73015:1	Food Blue 1	E 132	F D & C Blue No. 2
NarmaCert - Lake Sunset Yellow FCF	15985:1	Food Yellow 3	E 110	F D & C Yellow No. 6
NarmaCert - Lake Tartrazine	19140:1	Food Yellow 4	E 102	F D & C Yellow No. 5

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



NarmaCol (WATER SOLUBLE FOOD COLOURS)

SPECIFICATION SHEET I

PARTICULARS	TARTRAZINE	SUNSET YELLOW FCF	ERYTHROSINE	CARMOISINE
Colour Index No.	19140	15985	45430	14720
Colour Index Name	Food Yellow 4	Food Yellow 3	Food Red 14	Food Red 3
F D & C Ref. No.	FD&C Yellow # 5	FD&C Yellow # 6	FD&C Red # 3	-
Other Reference	Acid Yellow 23	Orange Yellow 5	Acid Red 51	Acid Red 14
C.A.S. Ref. No.	1934-21-0	2783-94-0	16423-68-0	3567-69-9
E.E.C. Ref. No.	E - 102	E - 110	E - 127	E - 122
I. S. Ref. No.	1694	1695	1697	2923
Pure dye, on as is basis, min.	87%	87%	87%	87%
Volatile matter, chloride and sulphate, max	13%	13%	13%	13%
Water insoluble matter, max.	0.2%	0.2%	0.2%	0.2%
Combined either extracts, max.	0.2%	0.2%	0.2%	0.2%
Subsidiary dyes, max.	1.0%	3.0%	4.0%	1.0%
Dye intermediates, max.	0.3%	0.5%	0.4%	0.5%
Fluorescein, mg / kg max	-	-	20	-
Leuco base, % by mass, max	-	-	-	-
Unsulphonated aromatic amines, % max.	0.01%	0.01%	0.01%	0.01%
Lead (as Pb), mg. / kg., max	10	10	10	10
Arsenic (as As), mg. / kg., max.	3	3	3	3
Mercury (as Hg.), mg. / kg., max.	1	1	1	1
Chromium (as Cr), mg. / kg., max.	15	15	15	15
Cadmium, mg. / kg., max.	1	1	1	1
Copper, mg. / kg., max.	10	10	10	10
Heavy metals, mg. / kg., max.	40	40	40	40
PARTICULARS	AMARANTH	PONCEAU 4R	BRILL BLUE FCF	INDIGO CARMINE
Colour Index No.	16185	16255	42090	73015
Colour Index Name	Food Red 9	Food Red 7	Food Blue 2	Food Blue 1
F D & C Ref. No.	FD&C Red # 2	-	FD&C Blue # 1	FD&C Blue # 2
Other Reference	Acid Red 27	Acid Red 18	Acid Blue 9	Acid Blue 74
C.A.S. Ref. No.	915-67-30	2611-82-7	3844-45-9	860-22-00
E.E.C. Ref. No.	E - 123	E - 124	E - 133	E - 132
I. S. Ref. No.	1696	2558	6406	1698
Pure dye, on as is basis, min.	85%	82%	85%	85%
Volatile matter, chloride and sulphate, max	15%	18%	15%	15%
Water insoluble matter, max.	0.2%	0.2%	0.2%	0.2%
Combined either extracts, max.	0.2%	0.2%	0.2%	0.2%
Subsidiary dyes, max.	1.0%	3.0%	3.0%	
Dye intermediates, max.	0.5%	0.5%	1.8%	0.5%
Fluorescein, mg / kg max	-	-	-	-
Leuco base, % by mass, max	-	-	3.0%	-
Unsulphonated aromatic amines, % max.	0.01%	0.01%	0.01%	0.01%
Lead (as Pb), mg. / kg., max	10	10	10	10
Arsenic (as As), mg. / kg., max.	3	3	3	3
Mercury (as Hg.), mg. / kg., max.	1	1	1	1
Chromium (as Cr), mg. / kg., max.	15	15	15	15
Cadmium, mg. / kg., max.	1	1	1	1
Copper, mg. / kg., max.	10	10	10	10
Heavy metals, mg. / kg., max.	40	40	40	40

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



NarmaCol (PRIMARY WATER SOLUBLE FOOD COLOURS) SPECIFICATION SHEET II

PARTICULARS	QUINOLINE YELLOW WS	BLACK PN (BRILL BLACK BN)	CHOCOLATE BROWN HT	ALLURA RED AC	RED 2G
Colour Index No.	47005	28440	20285	16035	18050
Colour Index Name	Food Yellow 13	Food Black 1	Food Brown 3	Food Red 17	Food Red 10
F D & C Ref. No.	D&C Yellow # 10	-	-	FD&C Red # 40	D&C Red#11
Other Reference	Acid Yellow 3	-	-	-	Acid Red 1
C.A.S. Ref. No.	95193-83-2	2519-30-4	4553-89-3	25956-17-6	3734-67-6
E.E.C. Ref. No.	E - 104	E - 151	E - 155	E - 129	E - 128
I. S. Ref. No.	-	-	-	-	-
Pure dye, on as is basis, min.	70%	80%	70%	85%	80%
Volatile matter, chloride and sulphate, max	30%	20%	30%	14%	20%
Water insoluble matter, max.	0.2%	0.2%	0.2%	0.2%	0.2%
Combined either extracts, max.	0.2%	0.2%	0.2%	0.2%	0.2%
Subsidiary dyes, max.	4.0%	10.0%	10.0%	3.0%	2.0%
Dye intermediates, max.	0.5%	0.8%	0.7%	0.5%	0.5%
Leuco base, % by mass, max	-	-	-	-	-
Unsulphonated aromatic amines, % max.	0.01%	0.01%	0.01%	0.01%	0.01%
Lead (as Pb), mg. / kg., max	10	10	10	10	10
Arsenic (as As), mg. / kg., max.	3	3	3	3	3
Mercury (as Hg.), mg. / kg., max.	1	1	1	1	1
Chromium (as Cr), mg. / kg., max.	15	15	15	15	15
Cadmium, mg. / kg., max.	1	1	1	1	1
Copper, mg. / kg., max.	10	10	10	10	10
Heavy metals, mg. / kg., max.	40	40	40	40	40
PARTICULARS	GREEN S	PATENT BLUE V	FAST RED E	FAST GREEN FCF	
Colour Index No.	44090	42051	16045	42053	
Colour Index Name	Food Green 4	Food Blue 5	Food Blue 4	Food Green 3	
F D & C Ref. No.	-	-	-	FD&C Green 3	
Other Reference	Acid Green 50	-	-	-	
C.A.S. Ref. No.	3734-67-6	-	-	-	
E.E.C. Ref. No.	E - 142	E - 131	-	-	
I. S. Ref. No.	-	-	-	-	
Pure dye, on as is basis, min.	80%	85%	85%	85%	
Volatile matter, chloride and sulphate, max	20%	15%	15%	15%	
Water insoluble matter, max.	0.2%	0.2%	0.5%	0.2%	
Combined either extracts, max.	0.2%	0.2%	0.5%	0.2%	
Subsidiary dyes, max.	1.0%	2.0%	4.0%	6.0%	
Dye intermediates, max.	0.8%	0.5%	0.50%	0.50%	
Leuco base, % by mass, max	5.0%	-	-	-	
Unsulphonated aromatic amines, % max.	0.01%	0.01%	0.01%	0.01%	
Lead (as Pb), mg. / kg., max	10	10	10	10	
Arsenic (as As), mg. / kg., max.	3	3	3	3	
Mercury (as Hg.), mg. / kg., max.	1	1	1	1	
Chromium (as Cr), mg. / kg., max.	15	15	15	15	
Cadmium, mg. / kg., max.	1	1	1	1	
Copper, mg. / kg., max.	10	10	10	10	
Heavy metals, mg. / kg., max.	40	40	40	40	

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



NarmaLake (INSOLUBLE FOOD COLOUR LAKES) SPECIFICATION SHEET

PRODUCTS	COLOUR INDEX NO.	COLOUR INDEX NAME	E.E.C. REF. NO.
NarmaLake - Tartrazine	19140 : 1	Pigment Yellow 100	E - 102
NarmaLake - Sunset Yellow	15985 : 1	Pigment Yellow 104	E - 110
NarmaLake - Erythrosine	45430 : 1	Pigment Red 172	E - 127
NarmaLake - Carmoisine	14720 : 1	-	E - 122
NarmaLake - Amaranth	16185 : 1	Pigment Red 193	E - 123
NarmaLake - Ponceau 4R	16255 : 1	Pigment Red 274	E - 124
NarmaLake - Brill Blue FCF	42090 : 2	Pigment Blue 78	E - 133
NarmaLake - Indigo Carmine	73015 : 1	-	E - 132
NarmaLake - Quinoline Yellow	47005 : 1	Pigment Yellow 115	E - 104
NarmaLake - Allura Red	16035 : 1	Pigment Red 273	E - 129
NarmaLake - Brown HT	20285 : 1	-	E - 155
NarmaLake - Black PN	28440 : 1	-	E - 151
NarmaLake - Patent Blue V	42051 : 1	-	E - 131
NarmaLake - Red 2G	18050 : 1	-	E - 128
NarmaLake - Fast Red	16045 : 1	-	-
NarmaLake - Green S	44090 : 1	-	E - 142

NarmaLake - FOOD COLOUR MIXTURE						
NarmaLake Black DRK	NarmaLake Black FCF	NarmaLake Bright Pink	NarmaLake Chocolate	NarmaLake Golden Yellow	NarmaLake Green LG/PG/AG DRK/Olive	NarmaLake Purple

SPECIFICATIONS :	REQUIREMENTS		
Total dye content, on as is basis bet :	Regular Grade 12 - 18%	Extra Grade 22 - 28%	Supra Grade 32 - 42%
Soluble chlorides and sulphates (as sodium salts), % by mass, max.:	2		
Inorganic matter, insoluble HCL, percent by mass max :	0.5		
pH (2% slurry in D.I. Water)	4 to 6		
Loss on drying (100dg. cen./2hours), percent by mass max :	20%		
Bulk density (g/l) :	< 0.2		
Particle size, passes through 325 mesh sieve :	> 90%		
Bleeding (on dry basis), max	0.3%		
Arsenic, (as As), mg / kg., max :	2		
Heavy metals / kg. max :	20		

NOTE : Reference should be made to the permissibility of colours in each particular country before use.



NarmaCos COSMETIC COLOURS

SHEET I

CODE	PRODUCT	COLOUR SHADE	C.I. No.
CS001	NarmaCOS - Yellow GC *	Bright Greenish Yellow (WS)	47005
CS002	NarmaCOS - Yellow PR **	Bright Greenish Yellow (P)	11710
CS003	NarmaCOS - Yellow PC **	Bright Greenish Yellow (P)	11680
CS004	NarmaCOS - Yellow PC Paste*	Bright Greenish Yellow (PP)	11680
CS005	NarmaCOS - Yellow SSC **	Bright Greenish Yellow (OS)	47000
CS006	NarmaCOS - Yellow RC *	Yellow (WS)	19140
CS007	NarmaCOS - Yellow SFL *	Bright Yellow (WS)	45350
CS008	NarmaCOSOIL - Yellow OSFC **	Reddish Yellow (OS)	12740
CS009	NarmaCOSOIL - Yellow SX **	Bright Greenish Yellow (OS)	12700
CS010	NarmaCOSOIL - Yellow PRL **	Golden Yellow (OS)	Mixture
CS011	NarmaCOSOIL - Yellow MY **	Saffron Yellow (OS)	Mixture
CS012	NarmaCOS - Iron Oxide Yellow *	Dull Yellow (P)	77492
CS013	NarmaCOS - Orange GC *	Bright Orange (WS)	16230
CS014	NarmaCOS - Orange SC *	Bright Reddish Yellow (WS)	15985
CS015	NarmaCOS - Orange NTC *	Bright Reddish Orange (WS)	15510
CS016	NarmaCOS - Orange PF **	Reddish Orange (P)	12075
CS017	NarmaCOS - Orange PF Paste *	Reddish Orange (PP)	12075
CS018	NarmaCOSOIL - Orange OSC **	Bright Orange (OS)	Mixture
CS019	NarmaCOS - Red AC *	Yellowish Red (WS)	16035
CS020	NarmaCOS - Scarlet Red NFC *	Bright Scarlet Red (WS)	16255
CS021	NarmaCOS - Scarlet 2RC *	Bright Red (WS)	16150
CS022	NarmaCOS - Ponceau SX *	Bright Yellowish Red (WS)	14700
CS023	NarmaCOS - Eosin YS *	Yellowish Pink (WS)	45380
CS024	NarmaCOSOIL - Red OSC **	Yellowish Red (OS)	12150
CS025	NarmaCOS - Red P4R **	Yellowish Red (P)	12085
CS026	NarmaCOS - Lithol Red SC **	Yellowish Pink (P)	15630:1
CS027	NarmaCOS - Red PFV **	Bright Red (P)	12490
CS028	NarmaCOS - Fast Red AC *	Yellowish Red (WS)	15620
CS029	NarmaCOSOIL - Scarlet Red OSC **	Yellowish Red (OS)	26100
CS030	NarmaCOSOIL - Red RG **	Bluish Red (OS)	26105
CS031	NarmaCOSOIL - Red TRG **	Yellowish Red (OS)	Mixture
CS032	NarmaCOS - Pink CNC *	Bright Yellowish Red (P)	73360
CS033	NarmaCOS - Pink NFC *	Bluish Pink (WS)	45430
CS034	NarmaCOS - Red TG *	Reddish Violet (WS)	18050
CS035	NarmaCOS - Red CR *	Bluish Red (WS)	14720
CS036	NarmaCOS - Rose RT *	Bluish Red (WS)	17200
CS037	NarmaCOS - Rose ARC *	Bluish Pink (WS)	45100
CS038	NarmaCOSOIL - Rose MX **	Bluish Red (OS)	Mixture
CS039	NarmaCOSOIL - Red MX **	Bluish Red (OS)	Mixture
CS040	NarmaCOSOIL - Red NFC **	Bluish Red (OS)	Mixture
CS041	NarmaCOS - Lithol Rubin CLC **	Bluish Red (P)	15850:1
CS042	NarmaCOSOIL - Rose OSC **	Bluish Red (OS)	26125
CS043	NarmaCOS - Iron Oxide Red *	Brownish Red (P)	77491
CS044	NarmaCOS - Green FL *	Yellowish Green (WS)	59040
CS045	NarmaCOS - Green LG *	Yellowish Green (WS)	Mixture
CS046	NarmaCOS - Green YC *	Yellowish Green (WS)	Mixture
CS047	NarmaCOS - Green ALC *	Bluish Green (WS)	61570
CS048	NarmaCOS - Grass Green YC *	Yellowish Green (WS)	Mixture



NarmaCos COSMETIC COLOURS

SHEET II

CODE	PRODUCT	COLOUR SHADE	C.I. No.
Cs049	NarmaCOS - Green PG *	Yellowish Green (WS)	Mixture
CS050	NarmaCOSOIL - Green OSC **	Bluish Green (OS)	Mixture
CS051	NarmaCOS - Green TGC **	Bright Green (P)	74260
CS052	NarmaCOS - Green TGC Paste *	Bright Green (PP)	74260
CS053	NarmaCOSOIL- Green GYC **	Yellowish Green (OS)	Mixture
CS054	NarmaCOSOIL- Grass Green GYC **	Yellowish Green (OS)	Mixture
CS055	NarmaCOSOIL- Mango Green OSC **	Bluish Green (OS)	Mixture
CS056	NarmaCOSOIL- Dark Green OSC **	Bluish Green (OS)	Mixture
CS057	NarmaCOSOIL- Olive Green OSC **	Olive Green (OS)	Mixture
CS058	NarmaCOS - Chrome Oxide Green *	Yellowish Green (P)	77288
CS059	NarmaCOS - Green GS *	Bluish Green (WS)	44090
CS060	NarmaCOS - Green SGC **	Bluish Green (OS)	61565
CS061	NarmaCOS - Blue TGL *	Bright Greenish Blue (WS)	74180
CS062	NarmaCOS - Bright Blue NFC *	Greenish Blue (WS)	42090
CS063	NarmaCOS - Blue CG *	Bright Greenish Blue (WS)	42045
CS064	NarmaCOS - Blue FC *	Bright Greenish Blue (WS)	42051
CS065	NarmaCOS - Sea Blue CG *	Bluish Red (WS)	Mixture
CS066	NarmaCOS - Blue ALC **	Bright Blue (P)	74160
CS067	NarmaCOS - Blue ALC Paste *	Bright Blue (PP)	74160
CS068	NarmaCOS - Royal Blue NFC *	Greenish Blue (WS)	73015
CS069	NarmaCOS - Blue UL **	Greenish Blue (P)	77007
CS070	NarmaCOS - Blue B/BS *	Bright Blue (WS)	42595
CS071	NarmaCOS - Indigo Blue *	Reddish Navy Blue (V)	73000
CS072	NarmaCOS - Violet WSC *	Bluish Violet (WS)	60730
CS073	NarmaCOS - Violet 2T **	Bluish Violet (P)	51319
Cs074	NarmaCOS - Violet 2T Paste *	Reddish Violet (P)	51319
CS075	NarmaCOSOIL - Violet OSC **	Bright Bluish Violet (OS)	60725
CS076	NarmaCOS - Violet RG *	Reddish Violet (WS)	42640
CS077	NarmaCOS - Naphthol Blue Black *	Bluish Black (WS)	20470
CS078	NarmaCOS - Black NFC *	Bluish Black (WS)	28440
CS079	NarmaCOS - Iron Oxide Black *	Bronzy Black (P)	77499
CS080	NarmaCOS - Black FCF *	Greenish Black (WS)	Mixture
CS081	NarmaCOS - Jet Black FCF *	Reddish Black (WS)	Mixture
CS082	NarmaCOSOIL- Black OSC **	Reddish Black (OS)	Mixture
CS083	NarmaCOSOIL- Black NFC **	Greenish Black (OS)	Mixture
CS084	NarmaCOS - Black CB **	Deep Black (P)	77266
CS085	NarmaCOS - Black CB Paste *	Reddish Black (P)	77266
CS086	NarmaCOS - Black OX *	Reddish Black (WS)	Mixture
CS087	NarmaCOSOIL- Brown NFC **	Deep Brown (OS)	Mixture
CS088	NarmaCOS - Creamy GR *	Yellowish Brown (WS)	Mixture
CS089	NarmaCOS - Iron Oxide Brown *	Blackish Brown (P)	Mixture
CS090	NarmaCOSOIL- Brown OSC **	Chocolate Brown (OS)	Mixture
CS091	NarmaCOS - White CG **	Chalk White (P)	77891
CS092	NarmaCOS - White CGLK **	Bright White (P)	77891

- WS - WATER SOLUBLE
- PP - PIGMENT PASTE
- P - PIGMENT
- V - VAT
- OS - OIL SOLUBLE



NarmaCos COSMETIC COLOURS

SHEET I

CODE	PRODUCT	COLOUR SHADE	C.I. No.	OTHER REF.
CS001	NarmaCOS - Yellow GC *	Bright Greenish Yellow (WS)	47005	Acid Yellow 3
CS002	NarmaCOS - Yellow PR **	Bright Greenish Yellow (P)	11710	Pigment Yellow 3
CS003	NarmaCOS - Yellow PC **	Bright Greenish Yellow (P)	11680	Pigment Yellow 1
CS004	NarmaCOS - Yellow PC Paste*	Bright Greenish Yellow (PP)	11680	Pigment Yellow 1 Paste
CS005	NarmaCOS - Yellow SSC **	Bright Greenish Yellow (OS)	47000	Solvent Yellow 33
CS006	NarmaCOS - Yellow RC *	Yellow (WS)	19140	Acid Yellow 23
CS007	NarmaCOS - Yellow SFL *	Bright Yellow (WS)	45350	Acid Yellow 73
CS008	NarmaCOSOIL - Yellow OSFC **	Reddish Yellow (OS)	12740	Solvent Yellow 18
CS009	NarmaCOSOIL - Yellow SX **	Bright Greenish Yellow (OS)	12700	Solvent Yellow 16
CS010	NarmaCOSOIL - Yellow PRL **	Golden Yellow (OS)	Mixture	-
CS011	NarmaCOSOIL - Yellow MY **	Saffron Yellow (OS)	Mixture	-
CS012	NarmaCOS - Iron Oxide Yellow *	Dull Yellow (P)	77492	Iron Oxide Yellow
CS013	NarmaCOS - Orange GC *	Bright Orange (WS)	16230	Acid Orange 10
CS014	NarmaCOS - Orange SC *	Bright Reddish Yellow (WS)	15985	Sunset Yellow
CS015	NarmaCOS - Orange NTC *	Bright Reddish Orange (WS)	15510	Acid Orange 7
CS016	NarmaCOS - Orange PF **	Reddish Orange (P)	12075	Pigment Orange 5
CS017	NarmaCOS - Orange PF Paste *	Reddish Orange (PP)	12075	Pig. Orange 5 Paste
CS018	NarmaCOSOIL - Orange OSC **	Bright Orange (OS)	Mixture	-
CS019	NarmaCOS - Red AC *	Yellowish Red (WS)	16035	Allura Red
CS020	NarmaCOS - Scarlet Red NFC *	Bright Scarlet Red (WS)	16255	Acid Red 18
CS021	NarmaCOS - Scarlet 2RC *	Bright Red (WS)	16150	Acid Red 26
CS022	NarmaCOS - Ponceau SX *	Bright Yellowish Red (WS)	14700	Ponceau SX
CS023	NarmaCOS - Eosin YS *	Yellowish Pink (WS)	45380	Acid Red 87
CS024	NarmaCOSOIL - Red OSC **	Yellowish Red (OS)	12150	Solvent Red 1
CS025	NarmaCOS - Red P4R **	Yellowish Red (P)	12085	Pigment Red 4
CS026	NarmaCOS - Lithol Red SC **	Yellowish Pink (P)	15630:1	Pigment Red 49:1
CS027	NarmaCOS - Red PFV **	Bright Red (P)	12490	Pigment Red 5
CS028	NarmaCOS - Fast Red AC *	Yellowish Red (WS)	15620	Acid Red 88
CS029	NarmaCOSOIL - Scarlet Red OSC **	Yellowish Red (OS)	26100	Solvent Red 23
CS030	NarmaCOSOIL - Red RG **	Bluish Red (OS)	26105	Solvent Red 24
CS031	NarmaCOSOIL - Red TRG **	Yellowish Red (OS)	Mixture	-
CS032	NarmaCOS - Pink CNC *	Bright Yellowish Red (P)	73360	Vat Red 1
CS033	NarmaCOS - Pink NFC *	Bluish Pink (WS)	45430	Acid Red 51
CS034	NarmaCOS - Red TG *	Reddish Violet (WS)	18050	Acid Red 1
CS035	NarmaCOS - Red CR *	Bluish Red (WS)	14720	Acid Red 14
CS036	NarmaCOS - Rose 2T *	Bluish Red (WS)	17200	Acid Red 33
CS037	NarmaCOS - Rose ARC *	Bluish Pink (WS)	45100	Acid Red 52
CS038	NarmaCOSOIL - Rose MX **	Bluish Red (OS)	Mixture	-
CS039	NarmaCOSOIL - Red MX **	Bluish Red (OS)	Mixture	-
CS040	NarmaCOSOIL - Red NFC **	Bluish Red (OS)	Mixture	-
CS041	NarmaCOS - Lithol Rubin CLC **	Bluish Red (P)	15850:1	Pigment Red 57:1
CS042	NarmaCOSOIL - Rose OSC **	Bluish Red (OS)	26125	Solvent Red 27
CS043	NarmaCOS - Iron Oxide Red *	Brownish Red (P)	77491	Iron Oxide Red
CS044	NarmaCOS - Green FL *	Yellowish Green (WS)	59040	Solvent Green 7
CS045	NarmaCOS - Green LG *	Yellowish Green (WS)	Mixture	-
CS046	NarmaCOS - Green YC *	Yellowish Green (WS)	Mixture	-
CS047	NarmaCOS - Green ALC *	Bluish Green (WS)	61570	Acid Green 25
CS048	NarmaCOS - Grass Green YC *	Yellowish Green (WS)	Mixture	-



NarmaCos COSMETIC COLOURS

SHEET II

CODE	PRODUCT	COLOUR SHADE	C.I. No.	OTHER REF.
CS049	NarmaCOS - Green PG *	Yellowish Green (WS)	Mixture	-
CS050	NarmaCOSOIL - Green OSC **	Bluish Green (OS)	Mixture	-
CS051	NarmaCOS - Green TGC **	Bright Green (P)	74260	Pigment Green 7
CS052	NarmaCOS - Green TGC Paste *	Bright Green (PP)	74260	Pigment Green 7 Paste
CS053	NarmaCOSOIL- Green GYC **	Yellowish Green (OS)	Mixture	-
CS054	NarmaCOSOIL- Grass Green GYC **	Yellowish Green (OS)	Mixture	-
CS055	NarmaCOSOIL- Mango Green OSC **	Bluish Green (OS)	Mixture	-
CS056	NarmaCOSOIL- Dark Green OSC **	Bluish Green (OS)	Mixture	-
CS057	NarmaCOSOIL- Olive Green OSC **	Olive Green (OS)	Mixture	-
CS058	NarmaCOS - Chrome Oxide Green *	Yellowish Green (P)	77288	Chrome Oxide Green
CS059	NarmaCOS - Green GS *	Bluish Green (WS)	44090	Acid Green 50
CS060	NarmaCOS - Green SGC **	Bluish Green (OS)	61565	Solvent Green 3
CS061	NarmaCOS - Blue TGL *	Bright Greenish Blue (WS)	74180	Direct Blue 86
CS062	NarmaCOS - Bright Blue NFC *	Greenish Blue (WS)	42090	Acid Blue 9
CS063	NarmaCOS - Blue CG *	Bright Greenish Blue (WS)	42045	Acid Blue 1
CS064	NarmaCOS - Blue FC *	Bright Greenish Blue (WS)	42051	Acid Blue 3
CS065	NarmaCOS - Sea Blue CG *	Bluish Red (WS)	Mixture	-
CS066	NarmaCOS - Blue ALC **	Bright Blue (P)	74160	Pigment Blue 15
CS067	NarmaCOS - Blue ALC Paste *	Bright Blue (PP)	74160	Pigment Blue 15 Paste
CS068	NarmaCOS - Royal Blue NFC *	Greenish Blue (WS)	73015	Acid Blue 74
CS069	NarmaCOS - Blue UL **	Greenish Blue (P)	77007	Pigment Blue 29
CS070	NarmaCOS - Blue B/BS *	Bright Blue (WS)	42595	Blue B/BS
CS071	NarmaCOS - Indigo Blue *	Reddish Navy Blue (V)	73000	Vat Indigo
CS072	NarmaCOS - Violet WSC *	Bluish Violet (WS)	60730	Acid Violet 43
CS073	NarmaCOS - Violet 2T **	Bluish Violet (P)	51319	Pigment Violet 23
CS074	NarmaCOS - Violet 2T Paste *	Reddish Violet (P)	51319	Pigment Violet 23 Paste
CS075	NarmaCOSOIL - Violet OSC **	Bright Bluish Violet (OS)	60725	Solvent Violet 13
CS076	NarmaCOS - Violet RG *	Reddish Violet (WS)	42640	Acid Violet 49
CS077	NarmaCOS - Naphthol Blue Black *	Bluish Black (WS)	20470	Acid Black 1
CS078	NarmaCOS - Black NFC *	Bluish Black (WS)	28440	Black PN
CS079	NarmaCOS - Iron Oxide Black *	Bronzy Black (P)	77499	Iron Oxide Black
CS080	NarmaCOS - Black FCF *	Greenish Black (WS)	Mixture	-
CS081	NarmaCOS - Jet Black FCF *	Reddish Black (WS)	Mixture	-
CS082	NarmaCOSOIL- Black OSC **	Reddish Black (OS)	Mixture	-
CS083	NarmaCOSOIL- Black NFC **	Greenish Black (OS)	Mixture	-
CS084	NarmaCOS - Black CB **	Deep Black (P)	77266	Pigment Black 7
CS085	NarmaCOS - Black CB Paste *	Reddish Black (P)	77266	Pigment Black 7 Paste
CS086	NarmaCOS - Black OX *	Reddish Black (WS)	Mixture	-
CS087	NarmaCOSOIL- Brown NFC **	Deep Brown (OS)	Mixture	-
CS088	NarmaCOS - Creamy GR *	Yellowish Brown (WS)	Mixture	-
CS089	NarmaCOS - Iron Oxide Brown *	Blackish Brown (P)	Mixture	-
CS090	NarmaCOSOIL- Brown OSC **	Chocolate Brown (OS)	Mixture	-
CS091	NarmaCOS - White CG **	Chalk White (P)	77891	Pigment White 6
CS092	NarmaCOS - White CGLK **	Bright White (P)	77891	Pigment White 6 LK.

- WS - WATER SOLUBLE
- PP - PIGMENT PASTE
- P - PIGMENT
- V - VAT
- OS - OIL SOLUBLE



FOOD COLOURS

						
NarmaCOL QUINOLINE YELLOW	NarmaCOL TARTRAZINE	NarmaCOL EGG YELLOW	NarmaCOL KESHAR/KESHRI B	NarmaCOL EGG YELLOW	NarmaCOL SUNSET YELLOW	NarmaCOL ORANGE RED
						
NarmaCOL PEACH	NarmaCOL STRAWBERRY	NarmaCOL ERYTHROSINE	NarmaCOL BRIGHT PINK	NarmaCOL PINK ROSE	NarmaCOL ALLURA RED*	NarmaCOL PONCEAU 4R
						
NarmaCOL TOMATO RED	NarmaCOL RED 2G	NarmaCOL AMARANTH	NarmaCOL RASPBERRY RED	NarmaCOL CARMOISINE	NarmaCOL VIMTO	NarmaCOL VINO
						
NarmaCOL KALAKHATTA	NarmaCOL CHOCOLATE FCF	NarmaCOL KOLA CHOCOLATE	NarmaCOL CHOCOLATE T/TAS	NarmaCOL CARMELENE	NarmaCOL MASALA SODA	NarmaCOL TEA BROWN
						
NarmaCOL CHOCO BROWN	NarmaCOL DARK CHOCOLATE	NarmaCOL COFFEE BROWN	NarmaCOL BROWN HT	NarmaCOL LIME GREEN	NarmaCOL APPLE GREEN	NarmaCOL PEA GREEN
						
NarmaCOL MINT GREEN	NarmaCOL GREEN S	NarmaCOL BRILL BLUE FCF	NarmaCOL PATENT BLUE V	NarmaCOL BLUE BERRY	NarmaCOL INDIGO CARMINE	NarmaCOL BRIGHT PURPLE
						
NarmaCOL FALSA / GRAPE JUICE	NarmaCOL DRAGEE BLACK	NarmaCOL BLACK CURRENT	NarmaCOL BLACK PN	NarmaCOL SAND BLACK	NarmaCOL BRIGHT BLACK FCF	NarmaCOL JET BLACK FCF



INSOLUBLE LAKES

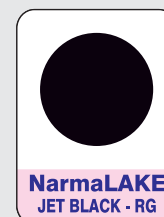
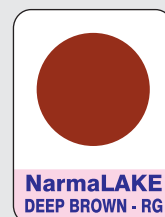
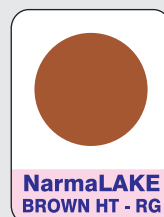
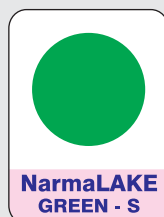
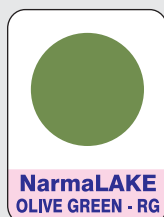
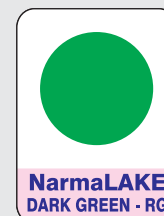
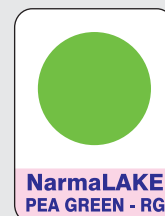
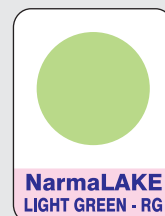
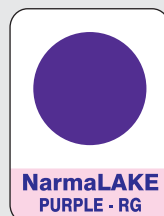
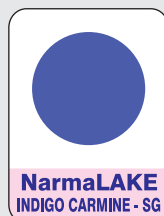
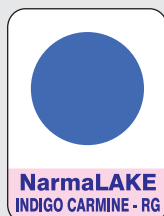
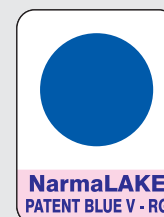
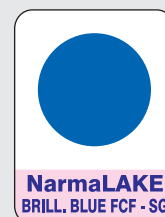
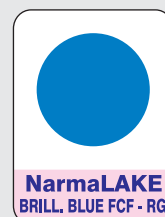
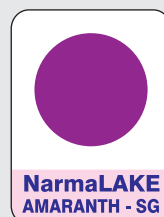
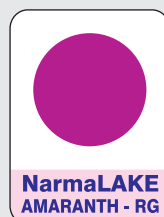
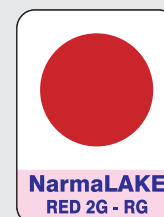
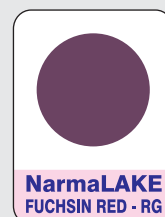
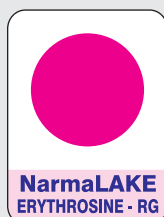
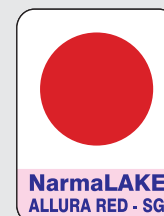
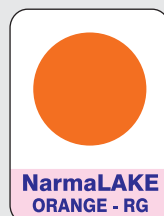
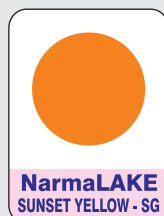
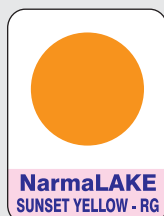
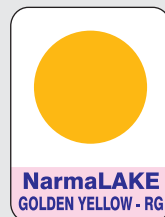
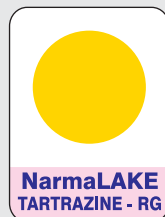
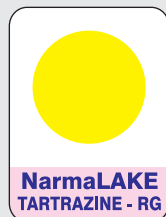
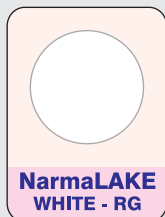
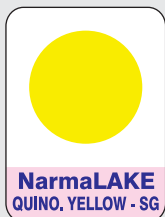
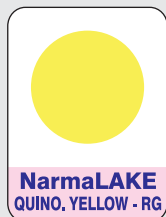
(For Food, Pharmaceuticals and Cosmetics)

APPLICATIONS :

Food : Bakery Products, Dessert & Beverages Powders, Confections, Dairy Products, Snack Foods

Pharma : Coated and Compressed Tablets, Capsules, Syrups

Cosmetics : Lipsticks, Blushers, Face Make-up, Face Powders, Talcs, Lotions, Creams



Note : Above illustrated Colour Shades are only for reference, as the colour shade in the finished product may very depending on the various factors which are beyond our control. Customers are advised to check the suitability of colour for their end products, and reference should always be made of the legislation regulating the use of colours in respective country of use.



COSMETIC COLOURS (Water Soluble Grade)

APPLICATIONS :

Body Soap, Syndet Soap, Dish Washing Liquid, Liquid Soap, Shampoo,
Multi-purpose Cleaners, Shower Gel, Bubble (Foam) Bath, Alcohol Based Perfumes Etc.

		 NarmaCOS YELLOW GC	 NarmaCOS YELLOW RC	 NarmaCOS YELLOW SFL		
 NarmaCOS ORANGE GC	 NarmaCOS ORANGE SC	 NarmaCOS ORANGE NTC	 NarmaCOS EOSIN YS	 NarmaCOS SCARLET RED NFC	 NarmaCOS SCARLET RED 2RC	 NarmaCOS RED AC
 NarmaCOS PONCEAU SX	 NarmaCOS FAST RED RC	 NarmaCOS PINK NFC	 NarmaCOS RED TG	 NarmaCOS ROSE 2T	 NarmaCOS RED CR	 NarmaCOS ROSE ARC
 NarmaCOS GREEN FL	 NarmaCOS GREEN LG	 NarmaCOS GREEN YC	 NarmaCOS GREEN ALC	 NarmaCOS GRASS GREEN YC	 NarmaCOS GREEN PG	 NarmaCOS GREEN GS
 NarmaCOS BLUE TGL	 NarmaCOS BLUE CG	 NarmaCOS BLUE FC	 NarmaCOS SEA BLUE CG	 NarmaCOS ROYAL BLUE NFC	 NarmaCOS BLUE B / BS	 NarmaCOS VIOLET WSC
 NarmaCOS VIOLET RG	 NarmaCOS CREAMY GR	 NarmaCOS NAP. BLUE BLACK	 NarmaCOS BLACK NFC	 NarmaCOS BLACK OX	 NarmaCOS BLACK FCF	 NarmaCOS JET BLACK FCF

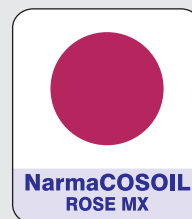
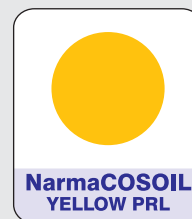
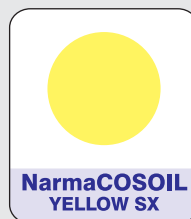
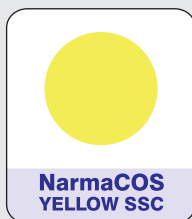
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COSMETIC COLOURS (Solvent / Oil Soluble Grade)

APPLICATIONS :

Hair oil, Soap, Kum Kum, Wax, Nail Polish, Lotion & Creams,
Make-up, Petrol & Lubricating Oil, Perfume Oils etc.



Note : Above illustrated Colour Shades are only for reference, as the colour shade in the finished product may very depending on the various factors which are beyond our control. Customers are advised to check the suitability of colour for their end products, and reference should always be made of the legislation regulating the use of colours in respective country of use.



COSMETIC COLOURS (Pigment Grade)

APPLICATIONS :

Soap & Detergent, Nail Polish, Ink, Lipsticks, Face Make-up, Eye Make-up,
 Artists' Colours, Coloured Pencils etc.



Note : Above illustrated Colour Shades are only for reference, as the colour shade in the finished product may very depending on the various factors which are beyond our control. Customers are advised to check the suitability of colour for their end products, and reference should always be made of the legislation regulating the use of colours in respective country of use.

CERTIFICATIONS





NARMADA COLOURS PVT. LTD.

(ISO 9001:2008, HACCP & WHO-GMP Certified Firms)

OUR MANUFACTURING TEAM



Manufacturing Unit of Narmada Colours Pvt. Ltd. Bhavnagar



Birds eye view of our Manufacturing Unit at Bhavnagar



NARMADA COLOURS PVT. LTD.

(ISO 9001:2008, HACCP & WHO-GMP Certified Firms)

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