

# IDACOL

Idacol is ROHA's flagship brand that offers a wide range of synthetic food colors for various applications. These colors are supplied to some of the biggest names in the food & beverages, pharmaceuticals, and home & personal care industry. The Idacol range is available in water soluble and insoluble variants with emphasis on safety, availability, precision and versatility.

Water soluble dyes come in various shades and forms such as powder, granules, sol, spheroclean and liquids.

Lake Pigments are an excellent alternative to water insoluble dyes. With bright hues and high levels of consistency, they are ideal for coating layers and icing baked treats. They are available as powders or pre-dispersed liquids in media such as oil, sugar syrup, glycerin, among others.

### **UNMATCHED QUALITY**

Synonymous with performance, quality, dependability and carrying a legacy of decades, Idacol ensures stringent quality control through sourcing to manufacturing to packaging processes, promising unmatched quality.

# WATER SOLUBLE DYES

Idacol provides water soluble coloring solutions in range of vibrant shades. These colors dissolve in water to create a clear and transparent solution. Highly versatile in its properties, this range complies with international quality standards and is applicable across food and beverage, pharmaceutical and personal care industries.

# **LAKE PIGMENTS**

Lake pigments have better stability to heat and light and produce opaque colored solutions. Lake pigments are perfect for products with low water content. Lakes come in multiple pure dye ranges with a different level of intensity and shade variations in color. They are used for various applications such as direct compression tablets, chewing gum, dragees coatings, oil-based products, fishing baits and cosmetics among others.

# **CUSTOMIZED SOLUTIONS**

ROHA's technical expertise in customized color solutions meets every kind of application requirement. This range of unique blended colors enhance the appearance of the end product. These colors are applicable across industries – food & beverage, pet food, personal care and pharmaceutical, among others.



# TECHNICAL CHART - WATER SOLUBLE DYES

SR NO.	COMMON NAME	ALLURA RED AC	TARTRAZINE	SUNSET YELLOW	BRILLIANT BLUE FCF	INDIGO CARMINE	ERYTHROSINE	FAST GREEN FCF	AMARANTH	CARMOISINE	PONCEAU 4R	QUINOLINE YELLOW WS	GREEN-S	BROWN HT	BLACK PN	PATENT BLUE V
1	IDACOL CODE NO.	A11	F09	F08	F02	F06	F04	F43	D03	F03	F07	D02	A08	A18	A28	A29
2	COLOR INDEX NO.	16035	19140	15985	42090	73015	45430	42053	16185	14720	16255	47005	44090	20285	28440	42051
	E.E.C.NO.	E 129	E 102	E 110	E 133	E 132	E 127		E 123	E 122	E 124	E 104	E 142	E 155	E 151	E 131
	FD & C NO.	Red 40	Yellow 5	Yellow 6	Blue 1	Blue 2	Red 3	Green 3								
	COLOR INDEX' REFERENCE (FOOD)	Red 17	Yellow 4	Yellow 3	Blue 2	Blue 1	Red 14	Green 3	Red 9	Red 3	Red 7	Yellow 13	Green 4	Brown 3	Black 1	Blue 5
	INDIAN STANDARD NO.		1694	1695	6406	1698	1697	6022		2923	2558					
3	CLASS	Monoazo	Monoazo (Pyrazo-lone)	Monoazo	Triaryl Methane	Indigoid	Xanthene	Triaryl Methane	Monoazo	Monoazo	Monoazo	Quino Phthalone	Triaryl Methane	Bisazo	Bisazo	Triaryl Methane
4	PURITY TESTS															
	PURE DYE CONTENT % (MIN.)	85	87	87	85	85	87	85	85	85	80	70	80	70	80	85
	LOSS ON DRYING AT 135°C & SODIUM CHLORIDE/SULPHATES (% MAX.)	15	13	13	15	15	13	15	15	15	18	30	20	30	20	15
	WATER INSOLUBLE MATTER % MAX.	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
	ETHER EXTRACTABLE MATTER % MAX.	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
	SUBSIDIARY DYES % (MAX.)	3	1	3	3	1	4	6	3	1	1	4	1	10	4	2
	ORGANIC COMPOUNDS OTHER THAN COLORING MATTERS % (MAX.)	1.5	0.5	0.5	1.8	0.5	0.4	1.3	0.5	0.5	0.5	0.5	0.4	0.7	0.8	0.5
	UNSULFONATED PRIMARY AROMATIC AMINES % MAX.	0.01	0.01	0.01	0.01	0.01	N.A.		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	ARSENIC (AS 'As') PPM (MAX.)	1	1	1	1	1	1	3	1	1	1	1	3	3	3	3
	LEAD (AS 'Pb') PPM (MAX.)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
	MERCURY (AS 'Hg') PPM (MAX.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	CADMIUM (AS 'Cd') PPM (MAX.)	1	1	1	1	1	1		1	1	1	1	1	1	1	1
	HEAVY METALS PPM (MAX.)	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				ADDITION	AL PURITY TEST FO	OR ERYTHROSINE:	INORGANIC IODID	DES CALCULATED	AS SODIUM IODID	DE % (MAX): 0.1						
5	SOLUBILITY AT ROOM TEMP.															
	DISTILLED WATER (gms/ltr.)	220	200	190	200	16	70	200	140	120	140	150	150	180	50	60
	GLYCERINE (gms/ltr.)	30	150	160	190	5	20	200	100	120	10	40	15	50	5	35
	PROPYLENE GLYCOL (gms/ltr.)	15	50	20	200	1	50	200	50	50	50	40	20	150	10	20
	ETHANOL (100%) (gms/ltr.)	Trace	Insoluble	Insoluble	1.5	Insoluble	Insoluble	Trace	Insoluble		Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
6	STABILITY TO															
	РН3	Stable	Stable	Stable	Slight fade after one week	Appreciable fade after one week	Precipitate (Insoluble)	Slight fade after one week	Stable	Stable	Stable	Stable	Slight fade after one week	Stable	Stable	Appreciable fade after one week
	PH7	Stable	Stable	Stable	Very slight fade after one week	Considerable fade after one week	Stable	Slight fade after one week	Stable	Stable	Stable	Stable	Very slight fade after one week	Stable	Stable	Appreciable fade after one week
	PH8	Stable	Stable	Stable	Very slight fade after one week	Fades completely	Stable	Slight fade and appreciable blur	Stable	Stable	Stable	Stable	Very slight fade after one week	Stable	Stable	Appreciable fade after one week
	BAKING 205° C (400°F)	4	5	5	4-5	1	3		3	3	5	4	4	4	2	4
	LIGHT	5	6	4	5	2	3	3	4-5	4-5	4	5	3	5	4	6
	HEAT	5	5	5	5	1	4		4	4	5	4	5	5	4	5
	ALKALIES	4	4	4	5	1	3	2	3	4	3	2	4	4	3	2
	FRUIT ACID	5	5	4	5	1	1	4	4	5	5	5	4	4	4	2
	BENZOIC ACID	4	5	4	5	1	1	4	4	4	5	4	4	4	4	2
	SO2	4	4-5	3-4	5	1	5	3	3-4	4	3	5	5	3	3	3
	SORBIC ACID	5	5	5	5	1	1	4	5	5	6	5	4	3	3	2

# TECHNICAL CHART- LAKE PIGMENTS

COMMON NAME	LAKE ALLURARED	LAKE TARTRAZINE	LAKE SUNSET YELLOW	LAKE BRILLIANT BLUE FCF	LAKE INDIGO CARMINE	LAKE ERYTHROSINE	LAKE AMARANTH	LAKE CARMOISINE	LAKE PONCEAU 4R	LAKE QUINOLINE YELLOW
IDACOL CODE NO.	L17	L09	L07	L02	L05	L04	L01	LO3	L06	L14
COLOR INDEX NO.	16035 (PD)	19140:1	15985:1	42090:2	73015 (PD)	45430:1	16185:1	14720:1	16255:1	47005:1
EEC NO.	E 129	E 102	E 110	E 133	E 132	E 127	E 123	E 122	E 124	E 104
FD & C NO.	Red 40	Yellow 5	Yellow 6	Blue 1	Blue 2	-	-	-	-	-
PIGMENT NO.	-	Yellow 100	Yellow 104	-	Blue 63	Red 172	Red 193	-	-	Yellow 115
LIGHT FASTNESS	4	5	2	2 - 3	2 - 3	2 - 3	2	3	2 - 3	4
HEAT RESISTANCE °C	90	90	90	90	90	90	90	90	90	90
DYE CONTENT % (Low Dye)	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17	12 - 17
(Mid Dye)	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27	22 - 27
(High Dye)	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40	32 - 40
LOSS ON DRYING AT 105 °C 2 HRS (Not more than) %	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
PH (2% Distilled Water Slurry)	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80	3.80 - 5.80
ARSENIC PPM MAX	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
LEAD PPM MAX	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
HEAVY METALS PPM MAX	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00



IDACOL PR	RODUCT	RANGE

IDACOL PRO	3.8-5.8 EXCELLENT EXCELLENT • Powder • Disper •						DAI	RY	COI	NFEC	TIONER	RY	BEVE	RAGE	S	P	REPA FOO				MEAT		PET FOODS	5	Р	HARMA	
		LAKE F	PIGMENTS			SEVERAGES	T & FRUIT PREPARATIONS	AM	LATE & UNDING COATINGS	IES & JELLIES	ANDIES CANDIES	ONATED SOFT DRINKS	BEVERAGES BASED BEVERAGES	ED BEVERAGES	RED BEVERAGES	GOODS ES, CRACKERS, CAKES)	S, SOUP & CONDIMENTS XES & SEASONINGS	ED SNACKS & CEREALS	& NOODLES	COOKED MEATS SHELF STABLED)	NED MEAT	200DS GS		) TABLETS	ESSED TABLETS ES	(SYRUPS, WASHER, DISINFECTION) R/ GRANULAR	INT - GEL
PRODUCT NAME	COLOR*	pH STABLE	HEAT STABLE	LIGHT STABLE	FORMS AVAILABLE	DAIRY E	YOGUR	ICE CRE	СНОСО	GUMMIE	HARD C	CARBO	STILL B	FORTIFI	POWDE	BAKED (COOKI	SAUCES DRY MI)	EXTRUI	PASTA 8	FULLY (	CANNE	SEA FO	DRY	COATE	CAPSUL	LIGUID MOUTH POWDE	OINTME
IDACOL LAKE ALLURA RED		3.8-5.8	EXCELLENT	EXCELLENT	Powder • Dispersions	Y	Υ	Y	Y	Υ					Y	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	· Y
IDACOL LAKE AMARANTH		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	Y	Υ					Y	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	· Y
IDACOL LAKE BLACK PN		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	Y	Y					Y	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE BRILLIANT BLUE FCF		3.8-5.8	EXCELLENT	EXCELLENT	Powder • Dispersions	Y	Υ	Y	/ Y	Υ					Υ	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE BROWN HT		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	Y	Y					Υ	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE CARMOISINE		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	Y	Y					Y	Y	YY	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE ERYTHROSINE		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	Y	Υ					Y	Y	YY	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE FAST GREEN FCF		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Υ					Y	Y	YY	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE GREEN - S		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Υ					Υ	Y	Y	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE INDIGO CARMINE		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	Y	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE PATENT BLUE V		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	Y	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE PONCEAU 4R		3.8-5.8	EXCELLENT	EXCELLENT	Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	YY	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE QUINOLINE YELLOW WS		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	Y	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE SUNSET YELLOW		3.8-5.8	EXCELLENT	EXCELLENT	• Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	Y	Y	Y	Y	YY	YY	YY	Y	Y	Y	Y
IDACOL LAKE TARTRAZINE		3.8-5.8	EXCELLENT	EXCELLENT	Powder • Dispersions	Y	Υ	Y	/ Y	Y					Y	Y	YY	Y	YY	Y	YY	YY	YY	Y	Y	Y	Y

**DYE CONTENT:-** Low dye: 12% - 17%, Mid dye: 22% - 27%, High dye: 32% - 42%

							EPARATIONS A I A C	Y Y CHEESE	CON	IFECTI(	ONER	DRINKS	BE.\	/ERA	GES SES	GES		EPARE OODS SIPSE		ZZ	MEA	Т		PET FOOD		PI SE	SINFECTION) AWAY		AM
WATER SOLUBLE DYES							& FRUIT PR	AM & PROCESSI	ATE & INDING COA	S & JELLIES ANDIES	CANDIES	ATED SOFT	EVERAGES ASED BEVER	DRINKS	ED BEVERAC	LIC BEVERA	SOUP & CO	IIXES & SEASO	& NOODLES	леат соокер меа	ELF STABLE	ODS			TABLETS	SSED TABLE	SYRUPS, WASHER, DI: R/ GRANULA	NT - GEL	NT - FAT CRE
PRODUCT NAME	COLOR*	pH STABLE	HEAT STABLE	LIGHT STABLE	FORMS AVAILABLE	DAIRY B	YOGURT	ICE CRE,	СНОСОГ	GUMMIE HARD CA	PANNED	CARBON	STILL BE JUICE B/	SPORTS	FORTIFII	АГСОНО	(COOKIE SAUCES,	DRY MIX	PASTA &	RAW ME FULLY C	CANNED	SEA FOC	CASINGS	DRY	COATED	CAPSULI	LIQUID (MOUTH)	OINTME	OINTME
IDACOL ALLURA RED		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular • SOL • Plating Grade	Υ	Υ	YY	Y	YY	Y	′ Y	YY	Y	YY	Υ	Y	YY	/ Y	YY	/ Y	Y	Y	YY	Y	Y	Y	Y	Υ
IDACOL AMARANTH		5.0-9.0	GOOD	EXCELLENT	• Powder • Granular • SOL	Y	Υ	YY	Υ	YY	YY	′ Y	YY	Y	YY	Υ	YY	YY	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Y	Υ
IDACOL BLACK PN		5.0-9.0	GOOD	EXCELLENT	• Powder • Granular • SOL	Y	Υ	YY		YY	YY	′ Y	YY	Y	Υ	Υ	YY	YY	/ Y	YY	/ Y	YY	Y	YY	7	Y	Y	Y	Υ
IDACOL BRILLIANT BLUE FCF		5.0-9.0	EXCELLENT	EXCELLENT	Powder • Granular • Plating Grade	Y	Υ	YY	Υ	YY	YY	′ Y	YY	Y	YY	Y	YY	YY	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Y	Υ
IDACOL BROWN HT		5.0-9.0	GOOD	EXCELLENT	• Powder • Granular • SOL	Y	Υ	YY	Υ	YY	Y	,				Y	YY	YY	/ Y	YY	/ Y	YY	Y	YY	7			Y	Υ
IDACOL CARMOISINE		5.0-9.0	GOOD	EXCELLENT	• Powder • Granular • SOL • Plating Grade	Υ	Υ	YY	Υ	YY	YY	′ Y	YY	Y	YY	Υ	YY	YY	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Y	Υ
IDACOL ERYTHROSINE		7.0-10.0	GOOD	AVERAGE	• Powder • Granular • SOL • Plating Grade	Y	Υ	YY	Υ	YY	YY	,					YY	YY	/ Y	YY	/ Y	YY	Y	YY	/ Y	YY	Y	Y	Υ
IDACOL FAST GREEN FCF		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular	Y	Υ	YY	Υ	YY	YY	′ Y	YY	Y	Υ	Y	YY	YY	/ Y	YY	/ Y	YY	Y	YY	7	Y	Y	Y	Υ
IDACOL GREEN - S		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular • SOL	Y	Υ	YY		YY	YY	′ Y	YY	Y	Υ	Y	YY	YY	/ Y	YY	/ Y	YY	Y	YY	7	Y	Y	Y	Υ
IDACOL INDIGO CARMINE		3.5-5.5	AVERAGE	EXCELLENT	• Powder • Granular • SOL					YY	YY	/					Y	Y	Y	YY	/ Y	YY	Y	YY	7				
IDACOL PATENT BLUE V		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular	Υ	Υ	YY		YY	YY	′ Y	YY	Υ	YY	Υ	YY	YY	/ Y	YY	/ Y	YY	Υ	YY	7	Y	Υ	Y	Υ
IDACOL PONCEAU 4R		5.0-9.0	GOOD	EXCELLENT	• Powder • Granular • SOL • Plating Grade	Υ	Υ	YY	Υ	YY	YY	′ Y	YY	Y	YY	Y	YY	Y	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Υ	Υ
IDACOL QUINOLINE YELLOW WS		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Grains	Υ	Υ	YY		YY	YY	′ Y	YY	Y	Υ	Y	YY	Y	/ Y	YY	/ Y	YY	Y	YY	7	Y	Y		
IDACOL SUNSET YELLOW		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular • SOL • Plating Grade	Υ	Υ	YY	Υ	YY	Y	′ Y	YY	Y	YY	Y	YY	Y	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Y	Υ
IDACOL TARTRAZINE		5.0-9.0	EXCELLENT	EXCELLENT	• Powder • Granular • SOL • Plating Grade	Υ	Y	YY	Y	YY	YY	′ Y	YY	Y	YY	Y	YY	YY	/ Y	YY	/ Y	YY	Y	YY	/ Y	Y	Y	Y	Υ

# **CERTIFICATION**

ROHA's food division has been certified by leading regulatory bodies like ISO, Kosher, Halal, FAMIQS, BRC, Food Safety, ISO 22000 & Organic Certification and Industrial dyes and pigments division is certified by EU REACH Registration.

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# ROHA: INNOVATING WITH YOU. FOR YOU.



ROHA is a leading global manufacturer and distributor of synthetic, natural, clean label food colors, dried ingredients and industrial dyes and pigments. ROHA is a part of the JJT Group which is a force that positively transforms the lives around it.

Established in the year 1972 in Maharashtra, India, ROHA is constantly evolving to serve its clients by co-creating new and innovative solutions that anticipate future requirements and developments. At the core of such innovation are 14 manufacturing facilities and 14 application labs spread across the world. Headquartered in India, ROHA's international network extends to 22 countries having robust technology, logistics, regulatory, and manufacturing teams.

At ROHA we constantly look at innovations to better ourselves and keep up with the latest trends and technologies. We believe in **TEAM, INNOVATE, CREATE** and **REACH** philosophy that transforms the way we work, the way we see and use ingredients, and the value we will bring to clients.

**TEAM -** With an already amazing team at ROHA, we always try to synergise within and across the teams to develop a strong working environment.

**INNOVATE -** Innovation goes from colors to processes with the help of extensive new-age technologies in order to deliver the best value.

**CREATE -** With over 200 natural & synthetic colors, industrial hues and array of extracts and dried ingredients we constantly being raised in response to consumer demands to meet the competitive nature of the marketplace.

**REACH -** Our interactions do not end where geographical borders do. We have strategically placed offices on every continent to be able to serve you anywhere.







### **GLOBAL PRESENCE**

Offices in 22 Countries

**Manufacturing Units in 14 Countries** 

**Application Labs in 14 Countries** 

#### SCAN TO CONNECT AND DISCOVER MORE







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FOOD COLORS







INDUSTRIAL COLORS

