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SAUJANYA EXPORTS

BASIC DYES ◆

DIRECT DYES ◆

ACID DYES ◆

LIQUID BASIC DYES ◆

SOLVENT DYES ◆

PH INDICATORS ◆

VAT DYES ◆



Saujanya Exports has 50 years of worldwide experience in the field of manufacturing & exporting of Pigment Powders, Food Colours, Lake Colours, Dyes, Ink Colours, Fast Salts, Fast Bases, FD&C Colours, D&C Colours, Blended Food Colours, Blood Stains & PH Indicators.

After a humble beginning in the textile city of India, Ahmedabad, in 1973, it has grown into a multi faceted, multi product company. Due to dynamic marketing, high morals, service & high standards of quality concern, the total group export turnover exceeds US \$30.00 million. We have a will to grow, both in national and international markets by offering best quality products to the customers. Our group has moved rapidly towards much higher growth & success since inception.

We have got well equipped laboratory for quality of Dyestuffs and Food Colours. We can meet the specific requirements of our customers due to our proper quality control and research.

We are exporting Food Colours, Lake Colours, Dyes & Pigments to United Kingdom, Indonesia, Malaysia, Singapore, Thailand, Mexico, Peru, Brazil, Argentina, South Africa, Netherlands, Spain, Phillipines, Italy, France, New Zealand, Australia, Egypt, Jordan, Russia, Morocco, Algeria and Pakistan.

ACID DYES

This shade card illustrates the following range of dyestuff suitable for dyeing of wool, nylon, silk blend fibre and fabric.

Acid leveling dyes
Acid milling dyes
1:1 metal complex dyes / 1:2 metal complex dyes

Preparation of Goods:

Wool is well scoured with suitable scouring agent (anionic in nature) Lissapol DS paste, before dyeing to remove impurities and thereby, to ensure level dyeing.

Dissolving of Dyestuffs:

It is important first to paste the dyestuffs with Diethylene Glycol half the proportion of dye and cold water and then hot water is added into it. And if necessary brought to boil. Dyestuffs so dissolved should be sieved into dyebath.

Milling / Acid Dyes possess good aqueous solubility, high tinctorial value, good fastness properties and good compatibility for wide range of combination shades.

Metal Complex Dyes exhibits excellent all-round fastness properties, good compatibility with other dyes, identical tinctorial value and absorption rates, excellent exhaustion of the bath at neutral or slightly acidic pH.

Dyeing Method:

For Acid, Milling and M.C. dyes depending on the chemical nature of each dye following procedure (as shown in the colour chart) to be suitably adopted.

1. The dye bath is set with
5-10% Anhydrous Glauber's Salt
2-4% Sulphuric Acid 66 BE'

Pre-dissolved dyestuffs in then added to the dyebath while stirring. The material is entered at about 50 degree C. After running for five minutes at this temperature, the dyebath is gradually raised to boil and dyeing is continued for 45-60 minutes.

2. The dye bath is set with
5-10% Anhydrous Glauber's Salt
2-4% Formic Acid (85%)

The procedure is the same as No. 1.

3. The dye bath is set with
5-10% Anhydrous Glauber's Salt
2-4% Glacial Acetic Acid (40%)

Pre-dissolved dyestuffs is then added to the dyebath and material is entered at 50degree C. Then temperature is slowly raised to boil. If necessary 1-4% Sulphuric Acid is (66degreeBE') added after 45 minutes to complete exhaustion. Dyeing is further continued for 15 minutes.

4. The dye bath is set with
5-10% Anhydrous Glauber's Salt
2-4% Glacial Acetic Acid (40%)

Pre-dissolved dyestuffs is then added with stirring. The material is entered at 50degree C and temperature is slowly raised to boil 2-4% glacial acetic acid (40%) is added after 30 minutes to achieve complete exhaustion. Dyeing is continued for 30 minutes.

5. The dye bath is set with
2-3% Ammonium Sulphate
or
2-5% Ammonium Acetate

The material is entered at 40degreeC and run for 10 minutes. The dye solution is then added and the temperature of the bath is slowly raised to boil within 40 minutes and continued for 45-60 minutes depending on the depth of shade. The material is then rinsed in cold water and dried.

Note:
















1 gpl Ammonium Sulphate, a suitable leveling agent and Acetic Acid (pH - 5-6.5) are added instead of Ammonium Sulphate for Acid Black 194 and Acid Violet 90.

Fastness Properties:


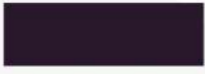













The fastness properties were rated upwards from 1 to 5 except for light Fastness which is rated upwards from 1 to 8.

(This information is provided in good faith to the best of our knowledge and without liabilities.)

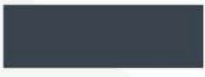

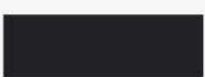
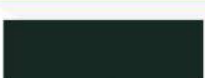


ACID DYES	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Fast Yellow 2GL * Yellow 17 C.I. No. 18965		100	3	5	4-5	1	2	4	5
Tartazine * Yellow 23 C.I. No. 19140		70	1	3	4-5	4-5	5	3-4	4-5
Metanil Yellow G * Yellow 36 C.I. No. 13065		30	1	2	4-5	2-3	4	2	5
Yellow GR * Yellow 49 C.I. No. 18640		60	1	4-5	4	1	3-4	3	5
Uranine SSO * Yellow 73 C.I. No. 45350		100	1	4	3	3-4	3-4	3	4
Yellow 3R * Orange 3 C.I. No. 10385		70	1	3-4	4	1-2	2-3	2-3	4
Orange II * Orange 7 C.I. No. 15510		40	1	1-2	4	2	4	2-3	5
Orange RGL * Orange 10 C.I. No. 16230		100	3	4-5	5	1	2	2	5
Red G * Red 1 C.I. No. 18050		100	-	5	1-2	4-5	1	3	3-4
Crystal Red A * Red 14 C.I. No. 14720		20	1	2-3	4-5	4-5	4	3	4-5
Scarlet 3R * Red 18 C.I. No. 16255		80	1	3	5	4	4	3-4	4
Fast Red A * Red 88 C.I. No. 15620		100	1	2-3	2	4	1	3	4
Scarlet R * Red 97 C.I. No. 22890		100	2	3	4-5	4	4-5	4-5	5
Blue A * Blue 25 C.I. No. 62055		60	1	4	3	2-3	2-3	3	1
Blue 2G * Blue 40 C.I. No. 62125		100	1	5-6	2	3	1-2	3	-










* C. I. Acid

ACID DYES	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Light Blue R * Blue 62 C.I. No. 62045		60	1	5	3	4	2-3	2-3	1
Sulphone Blue R * Blue 92 C.I. No. 13390		35	2	4-5	4	1	2	3-4	1-2
Green B * Green 1 C.I. No. 10020		40	1	5	3-4	2	1	3-4	3
Green 6B * Green 9 C.I. No. 42100		100	1	1	4-5	2-3	3-4	3-4	3-4
Allizarine Natural Gr. DN * Green 25 C.I. No. 61570		100	1	6	4	5	3	3-4	1
Dark Green B * Green 20		80	2	2	4-5	1-2	4	2-3	3
Resorcine Brown RD * Brown 14 C.I. No. 20195		100	3	3	4	3-4	2	3-4	3-4
Brown M * Brown 75 C.I. No. 34905		100	-	4	2-3	2	2	4-5	4-5
Brown C2G * Brown 83 C.I. No. 20250		100	-	3-4	3-4	2	2	4	4
Brown CT * Brown 85 C.I. No. 34900		100	-	4	2-3	2	2	4-5	4-5
Brown HEDG * Brown 100		100	-	4-5	4	4	4	4	4
Brown KDX * Brown 106		100	-	6-7	2-3	2-3	2-3	4-5	4-5
Brown RT * Brown 214 C.I. No. 34907		100	-	4-5	4	4	4	4	4
Brown SR * Brown 348		100	-	4-5	4	3	3	3	4
Brown SG * Brown 349		100	-	4-5	4	3-4	3-4	4	4



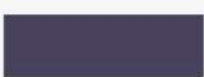





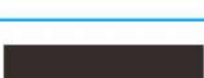
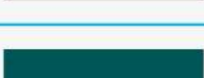




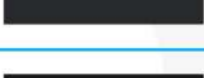
* C. I. Acid

ACID DYES	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Black 10BX * Black 1 C.I. No. 20470		70	3	6	4	3	3	4-5	M
Nogrosine Black WS * Black 2 C.I. No. 50420		100	1	4-5	2-3	4-5	2	4-5	1
Black NG * Black 210		100	2	4	4-5	3-4	4	2-3	4
Black NBG * Black 234		100	2	6	4	3	3	4-5	4













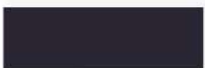
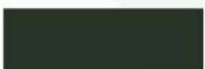

ACID DYES (MILLING & TPM)

Yellow 5GN * Yellow 110		40	3	3-4	5	4	4	4-5	5
Milling Fast Yellow R * Yellow 42 C.I. No. 22910		25	2	3	5	5	4	4-5	4
Milling Orange GS * Orange 56 C.I. No. 22895		60	1	4-5	4	3-4	1	3	5
Rhodamine B * Red 52 C.I. No. 45100		100	1	3	2	4	1	4	5
Maroon V * Red 119		50	3	3-4	5	4-5	3-4	4-5	3
Milling Red CG * Red 151 C.I. No. 26900		20	2	3	4	4	4	3-4	5
Milling Red 3BN * Red 131		60	3	3	4-5	4-5	3-4	4-5	3
Brill. Red 2B * Red 249 C.I. No. 18134		50	3	4	4-5	4-5	4-5	4-5	3
Violet 2R * Violet 1 C.I. No. 17025		60	2	3-4	4-5	4-5	4-5	5	4





* C. I. Acid

	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Milling Violet 4BN * Violet C.I. No. 42650		20	1	1	5	4	4	4-5	2-3
Violet 4BS D/Conc. * Violet 49 C.I. No. 42690		100	1	1-2	3	4-5	2	4-5	2-3
Violet B * Violet 43 C.I. No. 60730		15	2	4	4-5	3	2	3-4	1
Milling Red 10B * Violet 54		60	3	3	5	5	5	5	3
Patent Blue VS D/Donc. * Blue 1 C.I. No. 42045		60	1	2	4	3-4	3	2-3	1
Patent Blue AS D/Donc. * Blue 7 C.I. No. 42080		50	1	2	4-5	4	3	3-4	1-2
Eryoglaurine G D/Donc. * Blue 9 C.I. No. 42090		50	1	1	4	3	4	3-4	2
Blue FF * Blue 15 C.I. No. 42645		10	2	1	5	4	4	4	3
Fast Navy Blue 2RN * Blue 113 C.I. No. 26360		40	3	-	4-5	4	3	4-5	1
Green VS * Green 16 C.I. No. 44025		100	1	3	2	4-5	1	3	3
Olive MGL * Green 85 C.I. No. 44025		100	1	3	2	4-5	1	3	3
Brown VX * Brown 90		100	1	3	2	4-5	1	3	3
Dark Brown H * Brown 121		50	2	4	4	4-5	4-5	4-5	3
Milling Black BS * Black 24 C.I. No. 26370		100	3	6	5	4-5	5	4-5	1
Black VL * Black 26 C.I. No. 27070		100	2	4-5	3-4	4	4	4-5	3-4








* C. I. Acid

1:2 METAL COMPLEX DYES	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Yellow GL * Yellow 114		100	1	6-7	4-5	3	4	4-5	5
Yellow 2GL * Yellow 151 C.I. No. 13906		100	2	6-7	4-5	3	4	4-5	5
Yellow MGL * Yellow 237		100	1	6-7	4-5	3	4	4-5	5
Yellow M3RL * Yellow 194		70	4	6	5	3	2	4	M
Yellow M-5RL * Yellow 204		70	4	6	5	3	2	4	M
Light Fast Yellow RL * Orange 80		100	1-2	7	3	5	2	5	3
Orange RL * Orange 86		100	2	7	4-5	-	4-5	4-5	5
Orange M-RL * Orange 142		70	4	6	4-5	2	2	4	M
Scarlet M-L * Red 357		70	1-2	5	4-5	2	2	4	M
Red M-BR * Red 362		70	1-2	5	4-5	2	2	4	M
Bordeaux M-B * Violet 90 C.I. No. 18762		100	3-4	6	5	3	3	4	P
Violet L * Violet 78		100	1	6-7	4-5	4	4-5	4-5	4-5
Dark Blue M-TR * Blue 193 C.I. No. 15707		70	3-4	6	5	3	3	4	P
Olive M-BGL * Green 104		50	3-5	5-6	5	3	2	4-5	M
Brown MBL * Brown 355		100	2	6-7	4-5	4	4	4-5	4

* C. I. Acid

	2% Shade	Solubility g/l	Dyeing Method	Day Light 1/1	Wash	Milling (Staining on wool)		Perspiration	Dischargeability
						Acidic	Alkaline		
Brown M2RL * Brown 365		100	2	6	4-5	4-5	4-5	4-5	4
Brown MGRL * Brown 369		100	-	4	4	3-4	3-4	4	4
Black M-R * Black 172 C.I. No. 17596		70	4	5	5	3	3	5	P
Black MSRL * Black 194		100	2	7-8	3-4	2	2	4-5	4

1:1 METAL COMPLEX DYES

Yellow GR Conc. * Yellow 99 C.I. No. 13900		90	1-2	4	4	3	3	4	P
Orange G * Orange 74 C.I. No. 22895		70	1-2	6	4	4	4	4	G
Light Fast Red 2G * Red 183 C.I. No. 18900		100	-	6-7	3-4	4	3-4	4-5	4
Light Fast Violet Br. B * Red 184 C.I. No. 15685		70	1-2	6	4	3	3	4-5	G
Pink B * Red 186 C.I. No. 18810		70	1-2	5	5	3	3	5	P
Blue GG * Blue 158 C.I. No. 14880		100	1	5-6	3-4	4	3-4	4	1
Black WA * Black 52 C.I. No. 15711		70	1-2	6	4	3	3	4-5	G

* C. I. Acid

BASIC DYES

Basic Dyes have very brilliant shades and excellent tinctorial value. They produce very bright shades on mordanted cotton & viscose rayon. They are also used for dyeing of Pure Silk, Jute, Leather & Coir.

Dissolving of Basic Dyes:

The dyestuff is pasted with an equal amount of Acetic Acid (40%) and boiling water is then added. Cotton & Viscose fibres are first mordanted with Tannic Acid Tartarematic and subsequently dyed with Basic Dyes at around 50-60 degree C.






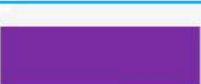





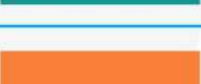
The illustration serve only as a guideline, since depth and tone depends on actual condition and raw material employes.

Fastness Properties:

Fastness Figures Light : 1 to 8 in increasing order.

Other : 1 to 5 in increasing order.

(This information is provided in good faith to the best of our knowledge and without liabilities.)

BASIC DYES	1% Shade	Light	Washing	Perspiration
Auramine O H/C 160% * Yellow 2 C.I. No. 41000		1-2	1-2	2
Auramine O H/C 200% * Yellow 2 C.I. No. 41000		1-2	1-2	2
Crysodine R * Orange 2 C.I. No. 11270		1-2	1-2	2
Rhodamine B 500% * Violet 10 C.I. No. 45170		1-2	2-3	2
Magenta Lumps / Powder * Violet 2 C.I. No. 42520		2	2	2
Methylene Violet Powder * Violet 1 C.I. No. 42535		2	2-3	2-3
Methylene Blue Complex * Blue 9 C.I. No. 52015		1-2	1	1-2
Methylene Blue (Zinc Free) * Blue 9 C.I. No. 52015		1-2	1	1-2
Victoria Blue B * Blue 26 C.I. No. 44045		1	3	3
Malachite Green Crystal * Green 4 C.I. No. 42000		1-2	2-3	1-2
Diamond Green Crystal / Powder * Green 1 C.I. No. 42010		1-2	2-3	1-2
Bismark Brown R * Brown 4 C.I. No. 21010		1-2	1-2	2

* C. I. Basic

DIRECT DYES

This Light Fast Dyestuffs are direct non-benzidine dyestuffs, suitable for dyeing cotton and viscose in the form of fabric, yarn as well as loose cotton. They are also used for dyeing of wool, pure silk & leather in certain cases.

Dyeing Procedures:

The dyestuff is pasted with cold water and dissolved by pouring 50 to 100 times its weight of boiling water with stirring.

These are dyed from a neutral or alkaline dyebath depending on individual dyestuffs. The dyeing are exhausted with the addition of Glauber's salt or common salt. The quantities to be added are as follows :

0.5% Soda Ash
5-10% Glauber's Salt Calc.
or
Common salt

For Medium & Dark Shades:

1-2% Soda ash
15-20% Glauber's salt
or
Common salt

The addition of soda ash to the dyebath may be omitted whole dyeing blends containing Acetate Rayon where the Acetate component is to be reserved .

The dye-bath is set at 50-60 degree C with Soda ash and dissolved dyestuff. The boiled out yarn is then entered and worked for 15 minutes. The dye – bath temperature is raised to 90-95 degree C in 15 to 20 minutes . Dyeing is continued at this temperature for 30 to 45 minutes . In order to overcome unlevel dyeing. Salt may be added after about 15 minutes of initial dyeing.















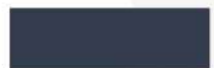
For improving the fastness to washing of dyestuffs, we suggest an aftertreatment with dye fixing agent. The dyed goods are treated in a fresh bath containing 2 to 3 gms/litre. Dye fixing agent for 30 minutes at pH 6-6.5 at 45degree C. The material is then rinsed and dried.

Fastness Properties:







The Fastness Properties were rated upwards from 1 to 5 except for light Fastness which is rated upwards from 1 to 8.

(This information is provided in good faith to the best of our knowledge and without liabilities.)



DIRECT DYES	2% Shade	Fastness to		Dischargeability	
		Light	Washing	Neutral	Alkaline
Sunfast Yellow TGLL		4	2-3	4	2
Paper Yellow GL * Yellow 11 C.I. No. 40000		4	2-3	4	2
Chrysophenine G * Yellow 12 C.I. No. 24895		4	2-3	4	2
Light Fast Yellow 2G * Yellow 44 C.I. No. 29000		5	3-4	3	2
Supra Yellow RL * Yellow 86 C.I. No. 29325		5	3-4	3	2
Orange 2GS * Orange 34		6-7	2	3	2
Orange 2GL * Orange 39 C.I. No. 40215		6-7	2-3	3	2
Fast Scarlet 4BS * Red 23 C.I. No. 29160		3-4	2	3	2
Red F3B 200% * Red 80 C.I. No. 35780		5	3	3	2
Red 5BS * Red 81 C.I. No. 28160		3	4	4-5	4
Light Rose FR * Red 227		4	4	4-5	4
Violet MB * Violet 9 C.I. No. 27885		4	2	5	4-5
Helio B H/Conc. * Violet 51 C.I. No. 27905		4	2	5	4-5
Light Fast Blue G * Blue 71 C.I. No. 34140		5	3-4	5	5
— * Blue 106		6	1-2	3	2







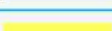

* C. I. Direct

DIRECT DYES	2% Shade	Fastness to		Dischargeability	
		Light	Washing	Neutral	Alkaline
Turq. Blue 5BL * Blue 86 C.I. No. 74180		6	1-2	3	2
Turq. Blue FBL * Blue 199 C.I. No. 74190		5-6	4	2	2
Dark Green P * Green 1 C.I. No. 30280		4	4	2	2
Black 2B H/Conc. * Black 22 C.I. No. 35435		2	3-4	4	3-4
— * Black 56 C.I. No. 34170		4-5	3	3	2
Black OB * Black 80 C.I. No. 31600		2	3-4	4	3



















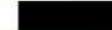


* C. I. Direct



LIQUID BASIC DYES

Product Name	Shade	C.I. No.	C.I. Name	CAS No.
Bismark Brown Y / G Liquid		21000	Basic Brown 1	CAS 10114-58-6
Bismark Brown R Liquid		21010	Basic Brwon 4	CAS 5421-66-9
Victoria Blue Liquid		44045	Basic Blue 26	CAS 2580-56-5
Malachite Green Liquid		42000	Basic Green 4	CAS 2437-29-8
Methyl Violet Liquid		42535	Basic Violet 1	CAS 8004-87-3
Rhodamine B Liquid		45170	Basic Violet 10	CAS 81-88-9
Ethyl Violet Liquid		42600	Basic Violet 4	CAS 2390-59-2
Crystal Violet Liquid		42555	Basic Violet 3	CAS 548-62-9
Auramine O Liquid*		---	Basic Yellow 2	---
Astraphoxine Liquid*		---	Basic Red 12	CAS 6320-14-5

SOLVENT DYES

Product Name	Shade	C.I. No.	C.I. Hue Name
Oil Yellow AM		11020	Solvent Yellow 2
Oil Orange ES		12055	Solvent Yellow 14
Oil Yellow 4R		12700	Solvent Yellow 16
Oil yellow DX		12740	Solvent Yellow 18
Oil Lemon Yellow		47000	Solvent Yellow 33
Oil Yellow DE		11021	Solvent Yellow 56
7Oil Yellow OAP		----	Solvent Yellow 72
Solvent Yellow 93		48160	Solvent Yellow 93
Victoria Blue B Base		44045:1	Solvent Blue 4
Oil Blue MBA		61554	Solvent Blue 35
Oil Blue MIP		61551	Solvent Blue 36
Oil Red G		12150	Solvent Red 1
Oil Scarlet Y		26100	Solvent Red 23
Oil Red R		26105	Solvent Red 24
Rhodamine Base		45170:1	Solvent Red 49
Quinizarine Green SS		61565	Solvent Green 3
Nigrosine SS Black H/C		50415	Solvent Black 5
Indulene BS Black H/C		50415B	Solvent Black 7
Methyl Violet Base		42535:1	Solvent Violet 8
Oil Violet		60725	Solvent Violet 13
Oil Orange DXN		12140	Solvent Orange 7

PH INDICATORS

Product Name	C.I. No.	CAS No.
Eosin Y	45380	2321-07-5
Fluorescein Sodium	45350	518-47-8
Methylene Blue	52015	7220-79-3
Ponceau S	27195	6226-79-5
Phloxine B	45410	18472-87-2
Rose Bengal	45440	632-69-9
Cresol Red	---	1733-12-6
Phenol Red	---	143-84-8
Safranin O	---	477-73-6
Methyl Red	13020	493-52-7
Thymol Blue	---	76-61-9

VAT DYES

Product Name	Shade	C.I. No.	C.I. Hue Name
Brill. Violet RR Ultra Conc		60010	Vat Violet 1
Magenta B Power		73395	Vat Violet 3
Brill. Violet 3B		60005	Vat Violet 9
Navy Blue BR		59815	Vat BluE 18
Dark Blue BO Ultra Conc		59800	Vat Blue 20
Jade Green FFB Ultra Conc		59825	Vat Green 1
Jade Green FFB Micro Fine		59825	Vat Green 1
Jade Green B Ultra Conc		59825	Vat Green 1
Jade Green 2G Highly Conc		59830	Vat Green 2
Olive Green B Ultra Conc		69500	Vat Green 3
Black BB		59850	Vat Green 9
Direct Black SN		59855	Vat Black 16
Grey 2G		---	Vat Black 22
Olive T		69525	Vat Black 25
Direct Black APB		---	Vat Black 38
Direct Black CH		---	---