



akay

◆ INDUSTRIES ◆

supreme **f**ood **C**olors



www.akayindustries.in

INTRODUCTION

"AKAY INDUSTRIES", a place with wide range of colors used in innumerable applications. A great start in the year 1995 with just the intermediates of food colors, by being experienced in the same we have decided for the business expansion and now from 2019 we have also started manufacturing and supplying wide range of Synthetic Food Colors. These colors are supplied to some of the renowned names in the food and beverages, pharma and home and personal care industry. These colors are water soluble as well as oil soluble i.e., lake colors which emphasis on availability, versatility and safety.

The range of products which are manufactured at AKAY INDUSTRIES are comprised of high standard of quality and food safety. All the certification we own are ISO9001, ISO14001, GMP Quality, FDA Approved, FSSC 22000, HALAL & KOSHER. We also have established LAB and R&D for customizing color solution to meet the clients needs and serve them with utmost satisfaction.

COMPANIES MISSION

Our mission is to be a part of the great "Indian Industrial Legacy". Our approach is to provide wide range of products that meet Indian Standard (ISI) using State Art of technology and Scientific approach to quench the needs of customers. We aim to bring the latest technological advancement in the Indian Industries and customize them to suit the Indian condition.

Our aim is to bring most cost-effective and productive resources, elements and techniques to provide the most possible technologic services under one roof. "Empowering Today's Industries" is our motto. We believe in a clean and safe environment in the workplace and also emphasis upon the finest quality of product and services for clients. The end goal is to serve standard products nationally and internally with the best customer satisfaction, uplift manpower and generate the best employment opportunities.





What we can offer!

- Full range of products.
- Customized solutions - needs of different customers are different.
- Well equipped laboratory for our customer facility.
- Cost effective solutions.
- Provide product testing facility to our customers at our applications laboratory.
- A one stop shop, offering a basket of services to esteemed customers like yourselves.

Facilities



State of the art manufacturing facility at Surat in gujarat, india. A separate facility for producing food, drug & cosmetic colors. Hygenic and professionally handle staff warehouse for food colors storage.


Certification We have





TARTRAZINE

Specification

| | |
|---------------|--|
| Product Name | Tartrazine |
| Colour Shade |  |
| Synonyms | Food Yellow - 4 |
| Chemical Name | Tri-sodium 5-hydroxy-1- (4-Sulfonato phenyl)-4- (4-Sulfonato phenylazo) pyrazole-3-carboxylate |
| C.I. No | 19140 |
| C.I. Name | Acid Yellow- 23 |
| FDA Status | FD&C Yellow - 5 |
| CAS No. | 1934-21-0 |
| EINECS No. | 217-699-5 |
| E. Number | E-102 |

| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 85 | |
| Water insoluble matter, percent by mass. | 0.20 | |
| Combined ether extract, percent by mass. | 0.20 | |
| Unulfonated Primary aromatic amines, percent by mass (calculated as aniline). | 0.01 | |
| Subsidiary dyes, percent by mass. | 1 | |
| Total organic compound other than colouring matter, percent by mass. | 0.50 | |
| 4-hydrazinobenzene sulfonic acid | | |
| 4-aminobenzene-1-sulfonic acid | | |
| 5-oxo-1-(4-sulfophenyl)- 2-pyrazoline-3-carboxylic acid 4 | | |
| 4_-diazoaminodi(benzene sulfonic acid) | | |
| Tetrahydroxysuccinic Acid | | |
| Heavy metals (as Pb), (mg/kg.) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



SUNSET YELLOW

Specification

| | |
|---------------|---|
| Product Name | Sunset Yellow |
| Colour Shade |  |
| Synonyms | Food Yellow - 3, Orange Yellow S |
| Chemical Name | Disodium salt of 1-(4-sulphophenylazo)-2-naphthol-6-sulfonic acid |
| C.I. No | 15985 |
| C.I. Name | --- |
| FDA Status | FD&C Yellow #6 |
| CAS No. | 2783-94-0 |
| EINECS No. | 220-491-7 |
| E. Number | E-110 |


| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt percent by mass | 85 | |
| Water insoluble matter, percent by Mass | 0.20 | |
| Combined ether extract, percent by Mass | 0.20 | |
| Unulfonated Primary aromatic amines, percent by Mass | 0.01 | |
| Subsidiary dyes, percent by mass. | 5 | |
| Total organic compound other than colouring matter, percent by mass. | 0.50 | |
| 4-aminobenzene-1-sulfonic acid | | |
| 3-hydroxynaphthalene-2,7-disulfonic acid | | |
| 6-hydroxynaphthalene-2-sulfonic acid | | |
| 7-hydroxynaphthalene-1,3-disulfonic acid | | |
| 4,4'-diazaminodi(benzene sulfonic acid | | |
| 6,6'-oxydi(naphthalene-2-sulfonic acid | | |
| 1-(Phenylazo)-2-naphthalenol(SudanI) (mg/kg) | 0.50 | |
| Heavy metals as pb(mg/kg) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



CARMOISINE



Specification

| | |
|---------------|---|
| Product Name | Carmoisine |
| Colour Shade |  |
| Synonyms | Food Red-3 |
| Chemical Name | Di-sodium salt of 2-(4 sulpho -1-naphthylazo)-1-naphthol-4-sulphonic acid |
| C.I. No | 14720 |
| C.I. Name | Acid Red 14 |
| FDA Status | --- |
| CAS No. | 3567-69-9 |
| EINECS No. | 222-657-4 |
| E. Number | E-122 |


| Test | EEC (Limit) | |
|---|-------------|------|
| Total colouring matters calculated as the sodium salt, percent by mass. | Min. | 85 |
| Water insoluble matter, percent by mass. | Max. | 0.20 |
| Combined ether extract, percent by mass. | Max. | 0.20 |
| Unulfonated Primary aromatic amines, percent by mass | Max. | 0.01 |
| Subsidiary dyes, percent by mass. | Max. | 1 |
| Total organic compound other than colouring matter, percent by mass. | Max. | 0.50 |
| 4-aminonaphthalene-1-sulfonic acid | | |
| 4-hydroxynaphthalene-1-sulfonic acid | | |
| Heavy metals as pb(mg/kg.) | Max. | 40 |
| Arsenic (mg/kg.) | Max. | 3 |
| Lead (mg/kg.) | Max. | 2 |
| Mercury (mg/kg.) | Max. | 1 |
| Cadmium (mg/kg.) | Max. | 1 |



PONCEAU 4R



Specification

| | |
|---------------|---|
| Product Name | Ponceau 4R |
| Colour Shade |  |
| Synonyms | Acid Red 18 |
| Chemical Name | (Trisodium 2-hydroxy-1-(4-sulfonato-1-naphthylazo)- naphthalene-6,8-disulfonate |
| C.I. No | 16255 |
| C.I. Name | Food Red 7 |
| FDA Status | --- |
| CAS No. | 2611-82-7 |
| EINECS No. | 220-036-2 |
| E. Number | E-124 |


| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 80 | |
| Water insoluble matter, percent by mass. | 0.20 | |
| Combined ether extract, percent by mass. | 0.20 | |
| Unulfonated Primary aromatic amines, percent by mass. | 0.01 | |
| Subsidiary dyes, percent by mass. | 1 | |
| Organic compound other than colouring matter, percent by mass, MAX. 4-aminonaphthalene-1-sulfonic acid 7-hydroxynaphthalene-1-3-sulfonic acid 3-hydroxynaphthalene-2,7-disulfonic acid 6-hydroxynaphthalene-2-sulfonic acid 7-hydroxynaphthalene-1,3-6- trisulfonic acid | 0.50 | |
| Heavy metals (as Pb), (mg/kg.) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



AMARANTH



Specification

| | |
|---------------|---|
| Product Name | Amaranth |
| Colour Shade |  |
| Synonyms | Food Red - 9 |
| Chemical Name | Trisodium 2-Hydroxy-1-(4-Sulfonato-1-Naphthylazo) Naphthalene-3, 6-Disulfonate |
| C.I. No | 16185 |
| C.I. Name | Acid Red 27 |
| FDA Status | --- |
| CAS No. | 915-67-3 |
| EINECS No. | 213-022-2 |
| E. Number | E-123 |


| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 85 | |
| Water insoluble matter, percent by mass. | 0.20 | |
| Combined ether extract, percent by mass. | 0.20 | |
| Un sulfonated Primary aromatic amines, percent by mass | 0.01 | |
| Subsidiary dyes, percent by mass. | 3 | |
| Total organic compound other than colouring matters, percent by mass | 0.50 | |
| 4-aminonaphthalene-1-sulfonic acid | | |
| 3-hydroxynaphthalene-2,7-disulfonic acid | | |
| 6-hydroxynaphthalene-2-sulfonic acid | | |
| 7-hydroxynaphthalene-1,3-disulfonic acid | | |
| 7-hydroxynaphthalene-1,3,6- trisulfonic acid | | |
| Heavy metals (as Pb), (mg/kg.) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



ALLURA RED



Specification

| | |
|---------------|--|
| Product Name | Allura Red |
| Colour Shade |  |
| Synonyms | Food Red - 17 |
| Chemical Name | Di sodium 2 - hydroxy-1-(2-methoxy - 5-methyl-4-sulfonatophenyl azo) naphthalene -6- sulfonate |
| C.I. No | 16035 |
| C.I. Name | --- |
| FDA Status | FD&C Red #40 |
| CAS No. | 25956-17-6 |
| EINECS No. | 247-368-0 |
| E. Number | E-129 |

| Test | EEC (Limit) | |
|--|-------------|------|
| | Min. | Max. |
| Total dye content, percent by mass (on dry basis at 105 ± 1°C for 2 hrs.) | 85 | |
| Water insoluble matter, percent by mass. | 0.20 | |
| Combined ether extract, percent by mass. | 0.20 | |
| Unulfonated Primary aromatic amines, percent by mass (calculated as aniline) | 0.01 | |
| Subsidiary dyes, percent by mass. | 3 | |
| Total organic compound other than colouring matter, percent by mass | --- | |
| 6-hydroxy-2-naphthalene sulfonic acid, sodium salt | 0.30 | |
| 4-amino-5-methoxy-2-methylbenzene sulfonic acid | 0.20 | |
| 6,6-oxybis(2-naphthalene sulfonic acid) disodium salt | 1 | |
| Heavy metals (as Pb), (mg/kg.) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



BRILLIANT BLUE FCF

Specification

| | |
|---------------|---|
| Product Name | Brilliant Blue FCF |
| Colour Shade | |
| Synonyms | Food Blue - 2 |
| Chemical Name | Disodium a-(4-N-ethyl-3-sulfonatobenzylamino phenyl)-a-(4-N-ethyl-3-sulfonatobenzylamino) cyclohexa-2,5-dienylidene)toluene-2-sulfonate |
| C.I. No | 42090 |
| C.I. Name | Acid Blue - 9 |
| FDA Status | D&C Blue 1 |
| CAS No. | 3844-45-9 |
| EINECS No. | 223-339-8 |
| E. Number | E-133 |


| Test | EEC (Limit) | |
|---|-------------|------|
| Total colouring matters calculated as the sodium salt, percent by mass. | Min. | 85 |
| Water insoluble matter, percent by mass. | Max. | 0.20 |
| Combined ether extract, percent by mass. | Max. | 0.20 |
| Unulfonated Primary aromatic amines, percent by mass | Max. | 0.01 |
| Subsidiary dyes, percent by mass. | Max. | 6 |
| Total organic compound other than colouring matter | Max. | --- |
| (a) BOSA, Percent by mass | | 1.50 |
| (b) EBASA, Percent by mass | | 0.30 |
| (c) Leuco Base, Percent by mass | | 5 |
| Heavy metals, as pb (mg/kg.) | Max. | 40 |
| Arsenic (mg/kg.) | Max. | 3 |
| Lead (mg/kg.) | Max. | 2 |
| Mercury (mg/kg.) | Max. | 1 |
| Cadmium (mg/kg.) | Max. | 1 |



ERYTHROSINE



Specification

| | |
|---------------|---|
| Product Name | Erythrosine |
| Colour Shade |  |
| Synonyms | Food Red - 14 |
| Chemical Name | Disodium 2-(2,4,5,7-Tetraiodo-3-oxido-6- Oxoxanthen- 9-yl) Benzoate monohydrate. |
| C.I. No | 45430 |
| C.I. Name | Acid Red - 51 |
| FDA Status | FD&C Red - 3 |
| CAS No. | 16423-68-0 |
| EINECS No. | 240-474-8 |
| E. Number | E-127 |

| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 87 | |
| Water insoluble matter, percent by mass. | | 0.20 |
| Combined ether extract, percent by mass. | | 0.20 |
| Unulfonated Primary aromatic amines, percent by mass | 4 | |
| Subsidiary dyes, percent by mass. | | 0.01 |
| Total organic compound other than colouring matter | | 0.20 |
| (a) BOSA, Percent by mass | | 0.20 |
| (b) EBASA, Percent by mass | | |
| (c) Leuco Base, Percent by mass | | |
| Heavy metals, as pb (mg/kg.) | | 40 |
| Arsenic (mg/kg.) | | 3 |
| Lead (mg/kg.) | | 2 |
| Mercury (mg/kg.) | | 1 |
| Cadmium (mg/kg.) | | 1 |



CHOCOLATE BROWN HT



Specification

| | |
|---------------|---|
| Product Name | Chocolate Brown HT |
| Colour Shade | |
| Synonyms | Food Brown - 3 |
| Chemical Name | Disodium 4,4-(2,4-dihydroxy-5-hydroxy methyle-1,3-phenylene biazole)di(naphthalene-1-sulfonate) |
| C.I. No | 20285 |
| C.I. Name | - |
| FDA Status | - |
| CAS No. | 4553-89-3 |
| EINECS No. | 224-924-0 |
| E. Number | E-155 |


| | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 70 | |
| Water insoluble matter, percent by mass. | | 0.20 |
| Combined ether extract, percent by mass. | | 0.20 |
| Unulfonated Primary aromatic amines, percent by mass | 0.01 | |
| Subsidiary dyes, percent by mass. | | 10 |
| Total organic compound other than colouring matter | | 0.70 |
| (a) BOSA, Percent by mass | | |
| (b) EBASA, Percent by mass | | |
| (c) Leuco Base, Percent by mass | | |
| Heavy metals, as pb (mg/kg.) | | 40 |
| Arsenic (mg/kg.) | | 3 |
| Lead (mg/kg.) | | 2 |
| Mercury (mg/kg.) | | 1 |
| Cadmium (mg/kg.) | | 1 |



Indigo Carmine



Specification

| | |
|---------------|---|
| Product Name | Indigo Carmine |
| Colour Shade |  |
| Synonyms | Acid Blue 74 |
| Chemical Name | Disodium 3,3'-dioxo-2,2'-bi-indolylidene-5,5'-disulphonate |
| C.I. No | 73015 |
| C.I. Name | Food Blue 1 |
| FDA Status | FD&C Blue #2 |
| CAS No. | 860-22-0 |
| EINECS No. | 212-728-8 |
| E. Number | E-132 |


| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 85 | |
| Water insoluble matter, percent by mass. | | 0.20 |
| Combined ether extract, percent by mass. | | 0.20 |
| Unulfonated Primary aromatic amines, percent by mass | 0.01 | |
| Subsidiary dyes, percent by mass. | | 1 |
| Total organic compound other than colouring matter | | 0.50 |
| (a) BOSA, Percent by mass | | |
| (b) EBASA, Percent by mass | | |
| (c) Leuco Base, Percent by mass | | |
| Heavy metals, as pb (mg/kg.) | | 40 |
| Arsenic (mg/kg.) | | 3 |
| Lead (mg/kg.) | | 2 |
| Mercury (mg/kg.) | | 1 |
| Cadmium (mg/kg.) | | 1 |



Ponceau SX



Specification

| | |
|---------------|--|
| Product Name | Ponceau SX |
| Colour Shade |  |
| Synonyms | Scarlet GN |
| Chemical Name | disodium;3-[(2,4-dimethyl-5-sulfonatophenyl)diazenyl]-4-hydroxynaphthalene-1-sulfonate |
| C.I. No | 14700 |
| C.I. Name | Food Red 1 |
| FDA Status | D and C Red No. 4 |
| CAS No. | 4548-53-2 |
| EINECS No. | 212-728-8 |
| E. Number | E-132 |

| Test | EEC (Limit) | |
|---|-------------|------|
| | Min. | Max. |
| Total colouring matters calculated as the sodium salt, percent by mass. | 87 | |
| Water insoluble matter, percent by mass. | 0.20 | |
| Sum of volatile matter (at 135 deg.C.) and chlorides and sulfates (calculated as sodium salts), | 13 | |
| 5-Amino-2,4-dimethyl-1-benzenesulfonic acid, sodium salt | 0.20 | |
| 4-Hydroxy-1-naphthalenesulfonic acid, sodium salt, | 0.20 | |
| Subsidiary colors | 2 | |
| Unsulphonated Aromatic Amines | 0.01 | |
| Heavy metals, as pb (mg/kg.) | 40 | |
| Arsenic (mg/kg.) | 3 | |
| Lead (mg/kg.) | 2 | |
| Mercury (mg/kg.) | 1 | |
| Cadmium (mg/kg.) | 1 | |



BLENDED FOOD COLOURS

| Product Name | Color Shades |
|---------------------|--------------|
| EGG YELLOW | |
| KESARI | |
| APPLE GREEN | |
| PEA GREEN | |
| ORANGE RED | |
| RASBARRY RED | |
| CHOCOLATE BROWN FCF | |
| CHOCOLATE BROWN TAS | |
| CHOCOLATE T SUPRA | |
| STRAWBERRY RED | |
| BRIGHT BLOCK | |
| CARMELINE | |
| TOMATO RED | |
| VINU COLOUR | |
| OREO BLACK | |

OUR PRODUCT FORMS



1. POWDER



2. Granule



3. SOL

Packaging

Standard Packaging:

- 25 kgs HDPE Drum
- 10 kgs HDPE Drum
- 5 Kg
- 1 Kg
- 500 Grams
- 100 Grams





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