





Specialty Pigments

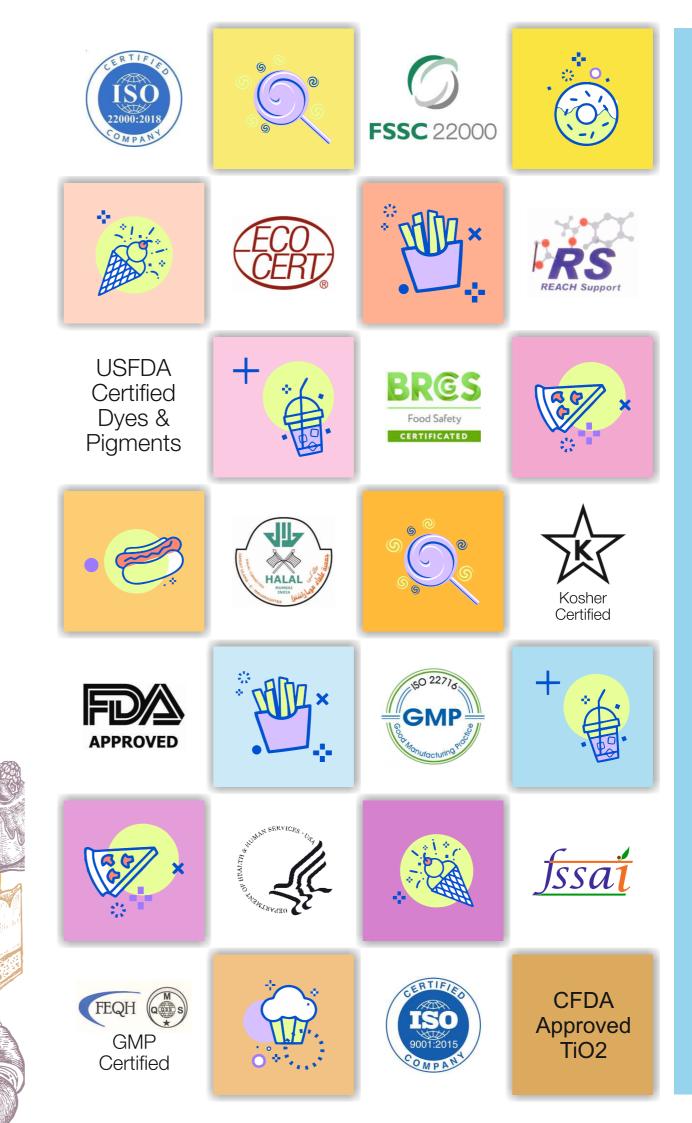
For Food & Beverage Applications



Company Overview

The global champion of dyes & pigments, Koel is an actual manufacturer of specialty pigments for Food & Beverage, Pet Food & Animal Feed, Pharmaceutical, Cosmetics, Personal Care and Home Care industries

- 45+ years of legacy
- 2 robust manufacturing facilities
- Short lead time
- 250+MT per month production capacity
- Catering to 6+ industries
- Global MNC customer base
- 65+ countries distribution network
- **R&D** support
- Documentation Support
- 250+ Product SKU's
- 30+ unique Q.C. checks





KOELOR*f******g*

Organic Lake Pigments

Koel offers the complete range of high purity aluminium lake pigments. Proprietary technology enables brilliant hues & super soft textures with high level of consistency, a full spectrum Koel lake pigments for food & beverage applications.

- Koelor lake pigments available in three standard dye content:
 - * LD (Low Dye Content) : 12 17%
 - * MD (Medium Dye Content): 22 27%
 - * HD (High Dye Content) : 32 40%
 - * SD (Special Dye Content) apart from the standard dye content on request.
- Use of organic pigments are subject to regulations of different countries.

Applications

- Gummies
- Candies
- Fruit Preparations
- Ice Cream
- Raw Meat
- Canned Meat
- Sea Foods
- Dry Mixes & Seasonings
- Chocolate & Compound Coating
- Powdered Beverages

Note

* Colour shades shown are only indicative. * The data submitted in this publication is based on our current knowledge and experience, it does not constitute a guarantee in the legal sense of the term in vies of the manifold factors that may affect processing and application.

- Jellies
- Yogurts
- Flavored Milk
- Cheese
- Cooked Meat
- Meat Casings
- Pasta & Noodles
- Baked Goods



Lake Tartrazine

Koelor/FG - 180 (LD,MD,HD & SD) FD&C No.: Yellow 5 C.I. No.: 19140:1 E-No.: E102

Lake Sunset Yellow Koelor/FG - 851 (LD, MD, HD & SD) FD&C No.: Yellow 6 C.I. No.: 15985:1 E-No.: E110



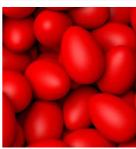


Lake

E-No.: E129

Lake **Brilliant Blue** Koelor/FG - 900 (LD, MD, HD & SD) FD&C No.: Blue 1 C.I. No.: 42090:1 E-No.: E133







Carmoisine Koelor/FG - 201 (LD, MD, HD & SD) FD&C No.: ---C.I. No.: 14720:1 E-No.: E122

Lake

Lake Koelor/FG - 150 (LD, MD, HD & SD) FD&C No.: Blue 2 C.I. No.: 73015:1 E-No.: E132



C.I. No.: 47005:1 E-No.: E104

Koelor/FG - 051

(LD, MD, HD & SD)

Yellow

Lake Quinoline



Amaranth Koelor/FG - 185 (LD. MD. HD & SD) FD&C No.: ---C.I. No.: 16185:1

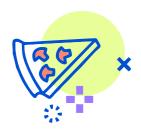


E-No.: E123



Lake





Ponceau 4R Koelor/FG - 255 (LD, MD, HD & SD) FD&C No.: ----C.I. No.: 16255:1























High Purity Iron Oxides

Koel presents a diverse range of mineral pigments produce enhanced food pigment options. Iron Oxides supplied by Koel are compliant to EU Specifications, which means they meet the requirements of Directive EU No. 231/2012 specification for food additives listed in annexure II and III to regulation (EC) no. 1333/2008.

• Customized shades can be given as per the customer's request.

Applications

- Panned Candies
- Hard Candies
- Liquorice
- Sauces
- Pasta & Noodles
- Dry Mixes & Seasonings

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Iron Oxide Yellow Koelin/FG - 929 C.I. No. 77492 E-No. E172



Altered Tangerine Yellow



Iron Oxide Red Koelin/FG - 919 C.I. No. 77491 E-No. E172



Iron Oxide Black







Pigment Blend 190 (Brown) PH/BLO-190 C.I. No. 77491/92/99 E-No. E172

• Chewing Gum • Gummies

- Canned Meat
- Soups
- Cereals





Koelin/FG - 999 C.I. No. 77499 E-No. E172







KOELIN **Titanium Dioxide**

Koelin/PH-910

- 99% + purity
- Very high brightness and opacity
- Confirms to: EC directives 95/94 (E171) FDA TITLES 21 CFR 73.575 FSSC Certified and China FDA approved.

Koelin/PW-300

- 98% + purity
- Superior brightness

Free from: Residual solvents, Latex GMO, TSE/BSE, AOX Halogen and VOC. $\star \star \star$

Veg Carbon Black (Koelin-663H)

- Koel's unique technique involves a very soft-textured & jet black Carbon black very high stability in light, heat & pH.
- Complies to all requirements (China, EU, LATAM, etc).
- Complies to E153 Guidelines.
- Colour shade range from grey to black, depending on the dosage rate used.

Applications

- Still Beverages
- Carbonated Beverages
- Jellies
- Panned Candies
- Baked Goods
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- Alcoholic Beverages
- Gummies
- Hard Candies
- Chewing Gum • Sauces

















KOELR®N Metallic Pigments

To keep up with the new trend of adding shimmer into your formulations, Koel now offers a range of pearlescent pigments to meet these requirements.

These pigments are a combination of Micas/TiO2 and Iron oxides. This serves as a perfect way to innovate your products providing a recognizable brand difference.

Why Koel's Pearls?

- Compliant to all regulatory standards.
- Brand differentiation.
- Easy to apply.
- Excellent light, pH and heat stability.

Applications

- Still Beverages
- Gummies
- Jellies
- Panned Candies
- Cereals
- Chocolate & Compound Coating

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- Alcoholic Beverages
- Hard Candies
- Chewing Gum
- Ice Cream
- Baked Goods

Koelron Silver Sparkle CPL-6294	Koelron Silver Sheen CPL-6219	Koelron Silver Lustre CPL-6297	Koelron Silver Super Fine CPL-6210	
	Koelron Gold Sparkle CPL-6256	Koelron Gold Lustre CPL-6299		
Koelron Light Gold CPL-6278		Koelron Brilliant Gold CPL-5736	Koelron Marigold CPL-6263	
Koelron Maroon Shimmer CPL-6296	Koelron Amber Red CPL-8364	Koelron Copper Fine CPL-5782		
Koelron Amber Brown Fine CPL-6232	Koelron Amber Brown Sparkle CPL-6246	Koelron Bronze Fine CPL-6374	Koelron Bronze Sparkle CPL-5757	
	Koelron Blue Shimmer CPL-6279	Koelron Gold Shimmer CPL-6299		
Koelron Red Shimmer CPL-6269	Koelron Pink Shimmer CPL-6202	Koelron Green Shimmer CPL-6203	Koelron Black Satin CPL-6201	

KOELOW

Water Soluble Dyes & Blends

Koelow is a range of water soluble synthetic dyes for food applications.

Synthetic colours are the most preferred option across food applications globally. Synthetic colours have their own strengths-safety, availability, precision and versatility, which make them ideal for food applications.

Water-soluble dyes are available in a variety of shades to satisfy every need.

Koel's innovation center working hand in hand with the partners towards newer types of colours that are best suited for new applications.

Applications

- Gummies
- Candies
- Fruit Preparations
- Ice Cream
- Raw Meat
- Canned Meat
- Sea Foods
- Dry Mixes & Seasonings
- Chocolate & Compound Coating
- Powdered Beverages

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- Jellies
- Yogurts
- Flavored Milk
- Cheese
- Cooked Meat
- Meat Casings
- Pasta & Noodles
- Baked Goods



Brilliant Blue Koelow - 901

FD&C No.: Blue 1 C.I. No.: 42090 E-No.: E133

Ouinoline Yellow Koelow - 057

C.I. No.: 47005 E-No.: E104











Chocolate **Brown Dark** BL/Koelow - 007PR C.I. No.: 20285+14720+ 42090+15985



Egg Yellow BL/Koelow - 269

19140+15985

42090+19140

Apple Green



C.I. No.: **Raspberry Red**



BL/Koelow - 1090 C.I. No.:

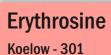




Ponceau 4R Koelow - 255

FD&C No.: ----C.I. No.: 16255 E-No.: E124





FD&C No.: Red 3 C.I. No.: 45430 E-No.: E127



Indigo Carmine Koelow - 150

FD&C No.: Blue 2 C.I. No.: 73015 E-No.: E132





Chocolate **Brown Light** BL/Koelow - 288

C.I. No.: 19140+14720+ 42090



Pea Green BL/Koelow - 2377









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