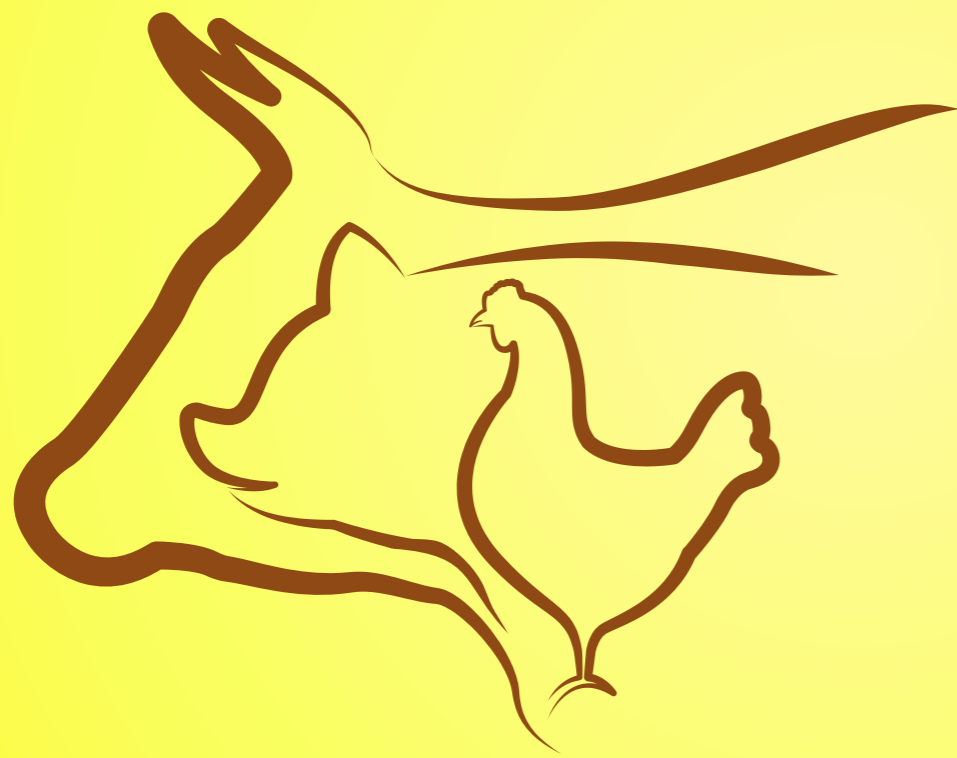




See  
colour through us

## Specialty Pigments

For Pet Food & Animal Feed

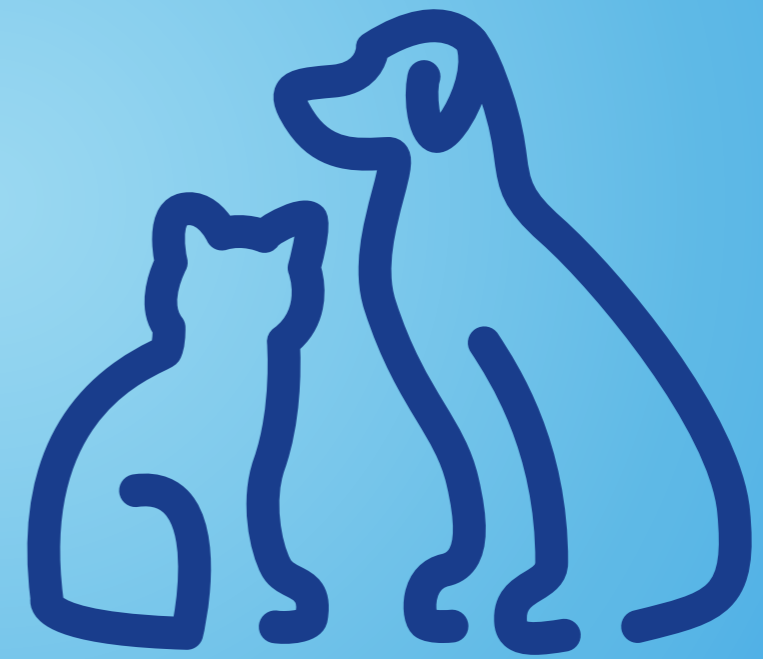


**Animal Feed**

**COLORS OF HAPPINESS**



**Aquatic Feed**



**Pet Food**

# Company Overview and Strengths

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



## Global Certifications



USFDA  
Certified  
Dyes &  
Pigments



CFDA  
Approved  
TiO2





# 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.

## Iron Oxide Yellow

Koelin/FG-929  
C.I. No. : 77492  
E-No. : E172

## Iron Oxide Red

Koelin/FG-919  
C.I. No. : 77491  
E-No. : E172

## Iron Oxide Black

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

## Altered Tangerine Yellow

Altered/PH-929TY  
C.I. No. : 77492  
E-No. : E172

## Iron Oxide Brown

Koelin/FG-991  
C.I. No. : 77491/92/99  
E-No. : E172

- Customized shades can be given as per the customer's request.
- Employing our unique blending capabilities, we combine the colouring strength of Iron oxides & create custom colour shades of Iron oxide brown giving a natural earthy brown colour.

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.





**High Purity**

# Titanium Dioxide & Veg. Carbon Black

## Titanium Dioxide

Koel presents high purity grades of titanium dioxide with super bright shades for various pet food & animal feed applications.

### 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 & VOC

★ ★ ★

## 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.

Note:

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# High Purity 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.

Lake Tartrazine	Lake Sunset Yellow	Lake Erythrosine	Lake Brilliant Blue	Lake Indigo Carmine
Koelor/FG-180 (LD,MD,HD & SD)	Koelor/FG-851 (LD, MD, HD & SD)	Koelor/FG-305 (LD, MD, HD & SD)	Koelor/FG-900 (LD, MD, HD & SD)	Koelor/FG-150 (LD, MD, HD & SD)
FD&C No.: Yellow 5	FD&C No.: Yellow 6	FD&C No.: Red 3	FD&C No.: Blue 1	FD&C No.: Blue 2
E-No. : E102	E-No. : E110	E-No. : E127	E-No. : E133	E-No. : E132
C.I. No.: 19140:1	C.I. No.: 15985:1	C.I. No.: 45430:1	C.I. No.: 42090:1	C.I. No.: 73015:1
pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5

Lake Ponceau 4R	Lake Carmoisine	Lake Allura Red	Lake Quinoline Yellow	Lake Amaranth
Koelor/FG-255 (LD, MD, HD & SD)	Koelor/FG-201 (LD, MD, HD & SD)	Koelor/FG-351 (LD, MD, HD & SD)	Koelor/FG-051 (LD, MD, HD & SD)	Koelor/FG-185 (LD, MD, HD & SD)
FD&C No.: ---	FD&C No.: ---	FD&C No.: Red 40		FD&C No.: ---
E-No. : E124	E-No. : E122	E-No. : E129	E-No. : E104	E-No. : E123
C.I. No.: 16255:1	C.I. No.: 14720:1	C.I. No.: 16035:1	C.I. No.: 47005:1	C.I. No.: 16185:1
pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5	pH Range : 3.5 - 5.5

- Koelor lake pigments available in three standard dye content :
  - \* LD (Low Dye Content) : 12 - 17%
  - \* MD (Mid 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.
- Koel works closely with customers to match specifications for food colouring requirements for the manufacturer of pet food products.

Note:

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# Water Soluble Dyes & Blends



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

Tartrazine	Sunset Yellow	Erythrosine	Brilliant Blue	Indigo Carmine
Koelow-180	Koelow-851	Koelow-301	Koelow-901	Koelow-150
FD&C No.: Yellow 5	FD&C No.: Yellow 6	FD&C No.: Red 3	FD&C No.: Blue 1	FD&C No.: Blue 2
E-No. : E102	E-No. : E110	E-No. : E127	E-No. : E133	E-No. : E132
C.I. No. : 19140	C.I. No. : 15985	C.I. No. : 45430	C.I. No. : 42090	C.I. No. : 73015

Ponceau 4R	Carmoisine	Allura Red	Quinoline Yellow	Raspberry Red
Koelow-255	Koelow-201	Koelow-351	Koelow-051	BL/Koelow-302
FD&C No.: ---	FD&C No.: ---	FD&C No.: Red 40	E-No. : E104	C.I. No.: 15985+14720
E-No. : E124	E-No. : E122	E-No. : E129	C.I. No. : 47005	
C.I. No. : 16255	C.I. No. : 14720	C.I. No. : 16035		

Chocolate Brown Light	Chocolate Brown Dark	Apple Green	Pea Green	Egg Yellow
BL/Koelow-288	BL/Koelow-007PR	BL/Koelow-1090	BL/Koelow-2377	BL/Koelow-269
C.I. No.: 19140+14720+42090	C.I. No.: 20285+14720+42090+15985	C.I. No.: 42090+19140	C.I. No.: 42090+19140	C.I. No.: 19140+15985

- Customized food colour blends on demand for a wide range of pet food applications.
- Koel works closely with customers to match specifications for pet food colouring requirements for the manufacturer of pet food products.

Note:  
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# KOELRON

# Metallic Pigments



To keep up with the new trend of adding shimmer into your formulations, Koel now offers a range of pearlescent colours to meet these requirements. These colours are a combination of Micac/TiO<sub>2</sub> and oxides. This serves as a perfect way to innovate your products providing a recognizable brand difference.

## Silvers

Koelron Silver Sparkle CPL-6294	Koelron Silver Sheen CPL-6219	Koelron Silver Lustre CPL-6297	Koelron Silver Super Fine CPL-6210
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## Golds

Koelron Gold Sparkle CPL-6256	Koelron Gold Lustre CPL-6299	Koelron Light Gold CPL-6278	Koelron Brilliant Gold CPL-5736	Koelron Marigold CPL-6263
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## Reds

Koelron Maroon Shimmer CPL-6296	Koelron Amber Red CPL-8364	Koelron Copper Fine CPL-5782
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## Browns

Koelron Amber Brown Fine CPL-6232	Koelron Amber Brown Sparkle CPL-6246	Koelron Bronze Fine CPL-6374	Koelron Bronze Sparkle CPL-5757
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## Blacks

Koelron Black Satin CPL-6201
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## Interference

Koelron Blue Shimmer CPL-6279	Koelron Gold Shimmer CPL-6299	Koelron Red Shimmer CPL-6269	Koelron Pink Shimmer CPL-6202
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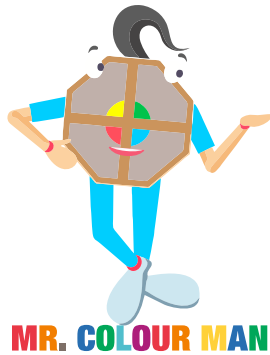
Koelron Green Shimmer CPL-6203
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**Global HQ:**

A-514, 5<sup>th</sup> Floor, Kanakia Wall Street,  
Chakala, Near Bank of Baroda,  
Andheri Kurla Road, Andheri (E),  
Mumbai - 400 093, India.

**Regd. Office & Application Lab:**

F-11, Nand Jyot Industrial Premises,  
Andheri Kurla Road, Safed Pool,  
Sakinaka, Andheri (E),  
Mumbai - 400 072, India.

**Mfg. Unit 1:**

Plot No. Ex-10, G.I.D.C.,  
Opp. CETP Plant, Dist. Valsad,  
Vapi - 396 195,  
Gujarat, India.

**Mfg. Unit 2:**

Plot No.911, G.I.D.C.,  
Tal. Umbergaon, Dist. Valsad,  
Sarigam - 396 155,  
Gujarat, India.