



HIGH-PURITY
IRON OXIDE PIGMENTS



Empower Color Globally

OXERRA is a leading developer and manufacturer of inorganic pigments, boasting a worldwide manufacturing presence. We empower color on a global scale, offering solutions that enhance the quality of life for people worldwide.

Our culture and passion are driven by the success of our customers.

With manufacturing operations and divisional offices on five continental regions: America, Asia, Australasia, Europe and Africa, OXERRA leads the world in sustainable supply of inorganic pigments.

Our global strategy propels us forward to provide unrivalled products and services in iron oxide and color pigment manufacture with the highest level of sustainable and eco-friendly technology for all industries.

Our emphasis on production excellence, customer solutions, sustainability, environmental responsibility and innovation are embedded in the OXERRA global culture and our world class skilled experts provide dedicated advice, technical support and solutions worldwide.

With a network encompassing a global concentration on sustainable, high-quality pigments for every application imaginable our products are used in thousands of everyday items, including paints, plastics, cosmetics, paper, pharmaceuticals, inks, catalysts, decorative concrete, masonry, roof tiles, asphalt and in water purification.

Complete details on other pigment offerings can be found at [oxerra.com](https://www.oxerra.com).



High-Purity Iron Oxides & Production Facilities

OXERRA is a leading manufacturer of high-purity iron oxide pigments, catering to the pharmaceutical, cosmetics, and food industries. Our distinctive range of FERROXIDE®, CathayPure™ and SICOVIT® pigments offers a comprehensive palette of yellow, orange, red, brown, and black shades.

FERROXIDE & CathayPure Pigments

These high-purity pigments are precipitated from proprietary start-point raw materials to produce clean shades that are readily incorporated into cosmetics, feed and pet food products.

Ongoing investment in innovative, proprietary process technology enables OXERRA to manufacture clean colors with:

- Excellent batch-to-batch consistency
- Small particle size
- Stringent heavy metal content
- Strong aesthetic appeal

SICOVIT Pigments

Developed to meet the most stringent pharmacopoeia standards, SICOVIT pigments are manufactured according to Current Good Manufacturing Practices (CGMP EXCiPACT) and are an excellent color choice for pharmaceuticals, medical devices, and food applications where regulatory compliance is essential.

Our Highly Certified Turin Facility

OXERRA's high-purity iron oxide production facility in Turin, Italy, is the first plant in the world to produce iron oxides with EXCiPACT certification as part of the SICOVIT pigment range.

The plant is certified under GMP EXCiPACT, ISO 9001, ISO 14001 and Kosher guidelines. It serves as a production site for high-purity iron oxide pigments, which have been utilized in pharmaceuticals, cosmetics, decorative items, medical devices and food applications for many years

Our state-of-the-art facility is dedicated to manufacturing iron oxides of the highest purity for pharmaceuticals, cosmetics and food applications. We adhere to stringent microbial control standards, ensuring exceptionally high levels of purity.

To prevent cross-contamination with other iron oxide pigments, our production is technologically advanced and conducted in a separate, carefully controlled environment.

At OXERRA, sustainability is at the forefront of our priorities, guiding every stage of our pigment's lifecycle.



FERROXIDE & CATHAYPURE YELLOWS

Colors Represent Mass Tone and Tint Tone 1:3 / 1:9

Masstone	Tint Tone 1:3	Tint Tone 1:9
		
FERROXIDE Yellow 505P		
		
FERROXIDE Yellow 506P		
		
FERROXIDE Yellow 510P		

Masstone	Tint Tone 1:3	Tint Tone 1:9
		
CATHAYPURE Yellow Y2220-1		
		
CATHAYPURE Yellow Y2230-1		

IMPORTANT COLOR ACCURACY NOTE
Color chips shown are only as accurate as the printing process allows. Colors may be slightly different from actual shades. This is for your reference only. Actual samples will provide best representation.









FERROXIDE & CATHAYPURE YELLOWS

FERROXIDE & CATHAYPURE REDS

Colors Represent Mass Tone and Tint Tone 1:3 / 1:9

Masstone	Tint Tone 1:3	Tint Tone 1:9
		
FERROXIDE Red 212P		
		
FERROXIDE Red HP1599T		
		
FERROXIDE Red HP2199T		
		
FERROXIDE Red HP3098T		
		
FERROXIDE Red HP5098T		
		
FERROXIDE Red HP8098T		
















Masstone	Tint Tone 1:3	Tint Tone 1:9
		
CATHAYPURE Red R2130-1		
		
CATHAYPURE Red R2135-1		







IMPORTANT COLOR ACCURACY NOTE
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FERROXIDE & CATHAYPURE BLACKS

Colors Represent Mass Tone and Tint Tone 1:3 / 1:9

Masstone	Tint Tone 1:3	Tint Tone 1:9
		
FERROXIDE Black 78P		
		
FERROXIDE Black 80P		
		
FERROXIDE Black 81P		
		
FERROXIDE Black 84P		
		
FERROXIDE Black 88P		

Masstone	Tint Tone 1:3	Tint Tone 1:9
		
CATHAYPURE Black B2310-1		
		
CATHAYPURE Black B2320-1		

IMPORTANT COLOR ACCURACY NOTE

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FERROXIDE & CATHAYPURE ORANGES AND BROWNS

Colors Represent Mass Tone and Tint Tone 1:3 / 1:9



FERROXIDE Orange 4535P



FERROXIDE Brown 186P



CATHAYPURE Orange OP2675



CATHAYPURE Brown BRP2870

IMPORTANT COLOR ACCURACY NOTE
Color chips shown are only as accurate as the printing process allows. Colors may be slightly different from actual shades. This is for your reference only. Actual samples will provide best representation.



SICOVIT PIGMENTS

Colors Represent Mass Tone and Tint Tone 1:3 / 1:9



SICOVIT Yellow 10 E172



SICOVIT Yellow 20 E172



SICOVIT Brown 70 E172



SICOVIT Brown 75 E172



SICOMET Brown ZP3569 E172



SICOVIT Red 20 E172



SICOVIT Red 30 E172



SICOVIT Black 80 E172



SICOVIT Black 84 E172



SICOVIT Black 85 E172



Product Regulations

Application	Pharma	Cosmetics	Pet Food	Animal Feed	Food
FERROXIDE, CathayPure Pigments		•	•	•	•
SICOVIT Pigments	•	•	•	•	•
Compliance	SICOVIT® Pigments		FERROXIDE®/CATHAYPURE™ Pigments		
E172 - Regulation (EU) 231/2012			•		•
Cosmetics - Regulation (EU) 1223/2009			•		•
Cosmetics - FDA 21CFR73.2250			•		•
Cosmetics – NATRUE Label criteria Annex 2:Nature-identical inorganic pigments and minerals approved in natural and organic cosmetics.			•		•
Safety and Technical Standard for Cosmetics			•		•
Foods - FDA 21CFR73.200			•		•
Feed additives - Regulation (EC) No.1831/2008 - Regulation (EC) No. 183/2005			•		•
JECFA			•		•
Kosher			•		•
HALAL			•		•
VEGAN			•		•
PHARMACOPEIAL STANDARDS - United States Pharmacopeia (USP-NF), Japanese Pharmaceutical Excipients (JPE), Chinese Pharmacopoeia (ChP) and European Pharmacopeia (Ph. Eur). [only for SICOVIT]			•		
Drugs - FDA 21CFR73.1200 & Medical Devices 21CFR73.3125			•		
EXCiPACT Certification Standard for Pharmaceutical Excipient Suppliers: (GMP/GDP/GWP)			•		

E172

Regulation (EU) 231/2012 European Union Commission Regulation laying down specifications for food additives. Recommended application areas are based on the regulatory guidelines listed above; please refer to local regulatory requirements.

FDA

The U.S. Code of Federal Regulations: 21CF73.200 for use in food (sausage casings up to 0.1%, soft and hard candy, mints and chewing gums at GMP level and 0.25% limit in cat and dog food) - 21CFR73.1200 for use in drug products - 21CFR73.2250 for use in cosmetics - 21CFR73.3125 for use in medical devices (e.g. contact lenses).

JECFA

Joint FAO/WHO Expert Committee on Food Additives.

EXCiPACT (GMP/GDP/GWP)

Certification Standards for Pharmaceutical Excipient Suppliers: Good Manufacturing Practices (GMP), Good Distribution Practices (GDP), Good Warehousing Practices (GWP)

UK Cosmetics Status

Iron oxides are listed in Annex IV of Schedule 34 of the Product Safety and Metrology Statutory Instrument, which itself is an amendment of Annex IV of European Regulation (EU) No. 1223/2009, under the reference numbers 137, 135 and 136 as color allowed in cosmetic product without restriction on the type of product or body part when complying with E172 food colour specification.

China Cosmetic Status

Iron oxides are listed in the China Inventory of Existing Cosmetic Ingredients (IECIC) under their colour index number and listed in Table 6 of chapter 3 of the Chinese Safety and Technical Standard for Cosmetics (2015) under Pigment Black 11, Pigment Red 101 and Pigment Yellow 42 as permitted colourants in all cosmetics without restriction. High Purity products were registered as raw materials under CSAR (China-Cosmetic Supervision and Administration Regulation).

JAPAN Cosmetics Status

Black, red, yellow iron oxides are listed in the list of quasi-drugs additives (Pharmaceutical Affairs Bureau Notification No. 0327004, Food and Drug Evaluation & Licensing Division, Pharmaceutical and Food Safety Bureau, MHLW, Oct. 13, 2016) respectively under the codes 109024, 109870 and 107704 without safety report required for usage in specified categories.

Compliance & Technical Support

Safety

We are committed to continuously improving safety performance in our business and across the wider pigments and additive industry.

The Environment

Environmental stewardship is one of OXERRA's guiding principles. Harnessing state-of-the-art, innovative technologies and deploying the skills sets of our pigments and additives professionals, we strive to ensure that our work has minimal environmental impact. Our production facilities are certified to international health, safety, environmental and quality standards.

Technical Service

At OXERRA, quality and value are a given. Whatever your color formulation or handling challenge, we are ideally placed to help you overcome it. Working from our technical service laboratories, our experienced chemists and technicians are prepared to:

- Provide on-going technical support
- Formulate industry and customized colors
- Match new shades
- Explore new formulations
- Provide product compliance and technical support

Heavy Metal Specification	As(ppm)	Cd(ppm)	Cr(ppm)	Cu(ppm)	Hg(ppm)	Ni(ppm)	Pb(ppm)	Zn(ppm)
E172 - Regulation (EU) 231/2012	≤ 3	≤ 1	≤ 100	≤ 50	≤ 1	≤ 200	≤ 10	≤ 100
FDA – 21CFR73.2250	≤ 3	NA	NA	NA	≤ 3	NA	≤ 10	NA
Safety and Technical Standards or Cosmetics (2015)	≤ 3	≤ 5	NA	NA	≤ 1	NA	≤ 10	NA
FDA – 21CFR73.200	≤ 3	NA	NA	NA	≤ 1	NA	≤ 5	NA
FAO JECFA Monographs 5 (2008)	≤ 3	≤ 1	NA	NA	≤ 1	NA	≤ 10	NA
GB 1886.251-2016/ GB1886.252-2016	≤ 3 (B/R)	≤ 1 (B/R)	NA	NA	≤ 1 (B/R)	NA	≤ 10 (B/R)	NA
FDA - 21CFR73.1200	≤ 3	NA	NA	NA	≤ 3	NA	≤ 10	NA
United States Pharmacopeia (USP-NF)	≤ 3 (R) ≤ 2 (B)	≤ 1 (B)	≤ 100 (B)	NA	≤ 3 (R) ≤ 1 (B)	≤ 200	≤ 10	NA
Japanese Pharmaceutical Excipients (JPE)	≤ 2	NA	NA	NA	NA	NA	NA	NA
Chinese Pharmacopoeia (ChP)	≤ 3	NA	NA	NA	NA	NA	≤ 10	NA



Contact us today
to learn more about
our offerings

Color that's meant to last.

OXERRA is internationally recognized as a superior manufacturer of iron oxide and other pigments for the coatings, plastics, specialties and construction industries.

Our drive to produce high-quality, unquestionably pure pigments combined with our iron-clad customer service makes us the obvious choice.



- Production Sites
- Offices

Scan for Detailed
Contact Information



**An Unmatched Global Manufacturing Network
Across Eight Countries on Four Continents**

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