



Iron oxide pigment

Iron Oxides Pigments for Cosmetics [BC, RC, YC Series]

FEATURES

The BC, RC, and YC series are iron oxides for cosmetics based on our color pigment "TODA COLOR". The heavy metal content is reduced to a level for cosmetics. You can use them safely and securely since they comply with the European food additive regulation on iron oxides and iron hydroxides (E-172).

CHARACTERISTICS

- High purity
 - We can stably supply high purity products by controlling their heavy metal content.
 - High coloring power
- Due to their high coloring power and weather resistance, color phase does not change for a long time.
- High dispersibility
 - Customer's target color can be obtained evenly in a short time since they are used with low oil absorption.

SPECIFICATIONS

[Color swatches of BC, RC, and YC series]

Brand	Mass tone	Tint*1 tone	Chemical formula	INCI Name
BC-335			Fo 0	Iron oxides
BC-340			Fe ₃ O ₄	(CI77499)
RC-110			α-Fe ₂ O ₃	Iron oxides
RC-120			u-F- C 2O3	(CI77491)
YC-15			α-FeOOH	Iron oxides
YC-20			u-reOOH	(CI77492)

[Representative value of BC, RC, and YC series]

_ '					
Property projects		BC series	RC series	YC series	E-172 upper limit
Heavy metal content [ppm]	Cr	≦10	59	≦10	≦ 100
	Ni	65	89	24	≦200
	Cu	≦10	≦10	≦10	≦50
	Zn	20	12	11	≦100
	As	≦3	≦3	≦3	≦3
	Cd	≦1	≦1	≦1	≦1
	Pb	≦5	≦5	≦5	≦10
	Hg	≦1	≦1	≦1	≦1
Oil absorption [ml/100g]		22	15	29	

X1 Tint color: 3:1 ratio of titanium oxide to iron oxide (weight ratio)

These color swatches may be different from the color of actual products.

APPLICATIONS

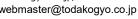
- Cosmetic pigments
- Food packaging pigments



Tokyo Office

Shiba Mita Mori Building 6F, 5-13-15 Shiba, Minato-ku, Tokyo 108-0014, Japan https://www.todakogyo.co.jp/







X2 INCI Name: Names based on "International Nomenclature of Cosmetic Ingredients"