

# HYROX

*Creating Colors For The World*

**Fine micronized  
particle size**

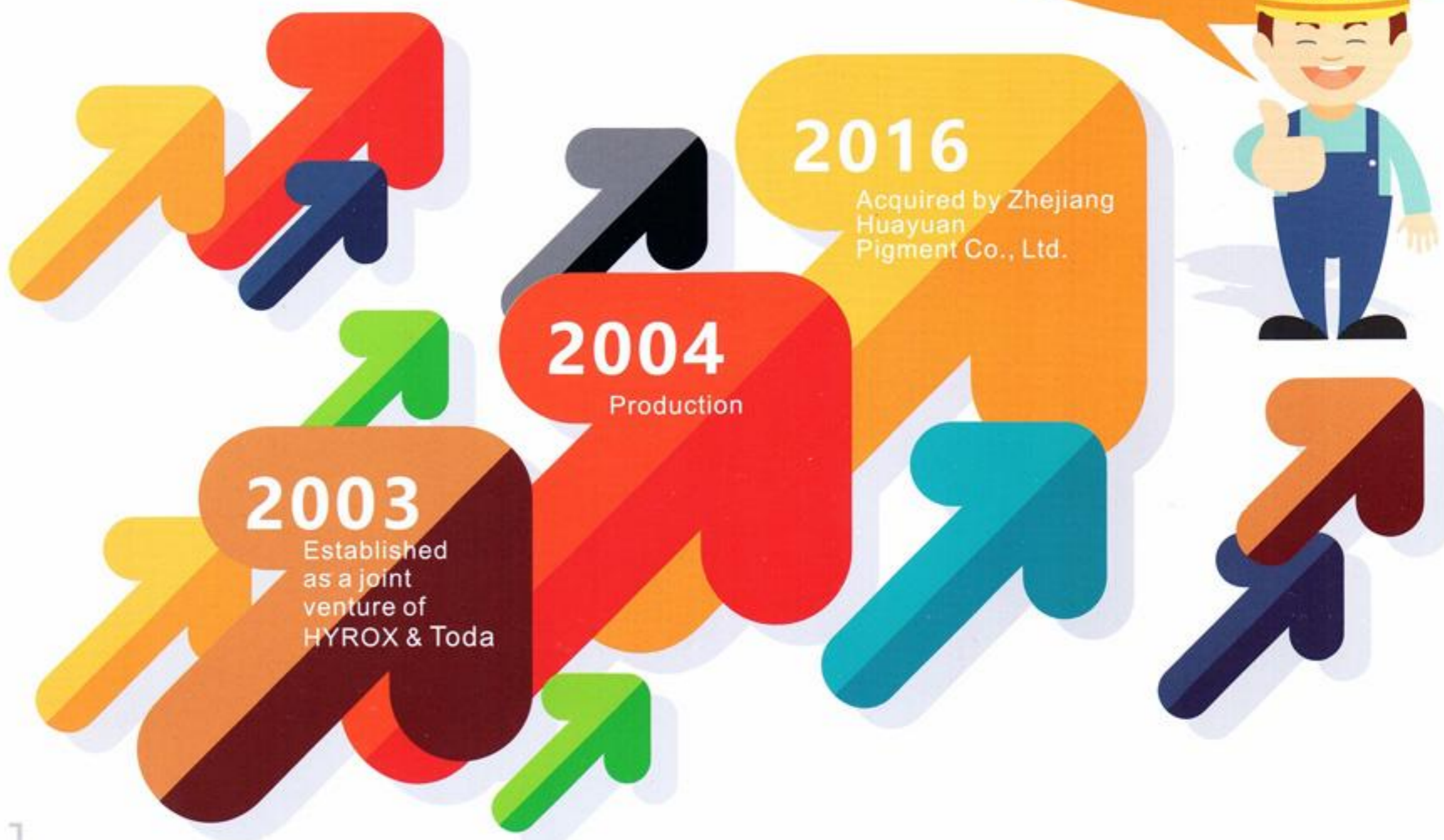


Deqing Toda Sanfeng Pigment Co., Ltd. (hereinafter referred to as Toda Sanfeng) was established in 2003 by Toda Kogyo Japan and Zhejiang Huayuan Pigment Co., Ltd (hereinafter referred to as HYROX) as a joint venture. With the state-of-art technology from Toda Kogyo, and the strong support from HYROX, Toda Sanfeng has been focusing on high performance iron oxide pigments.

In 2016, acquisition took place with IPO launch of HYROX, now Toda Sanfeng is 100% owned by HYROX.

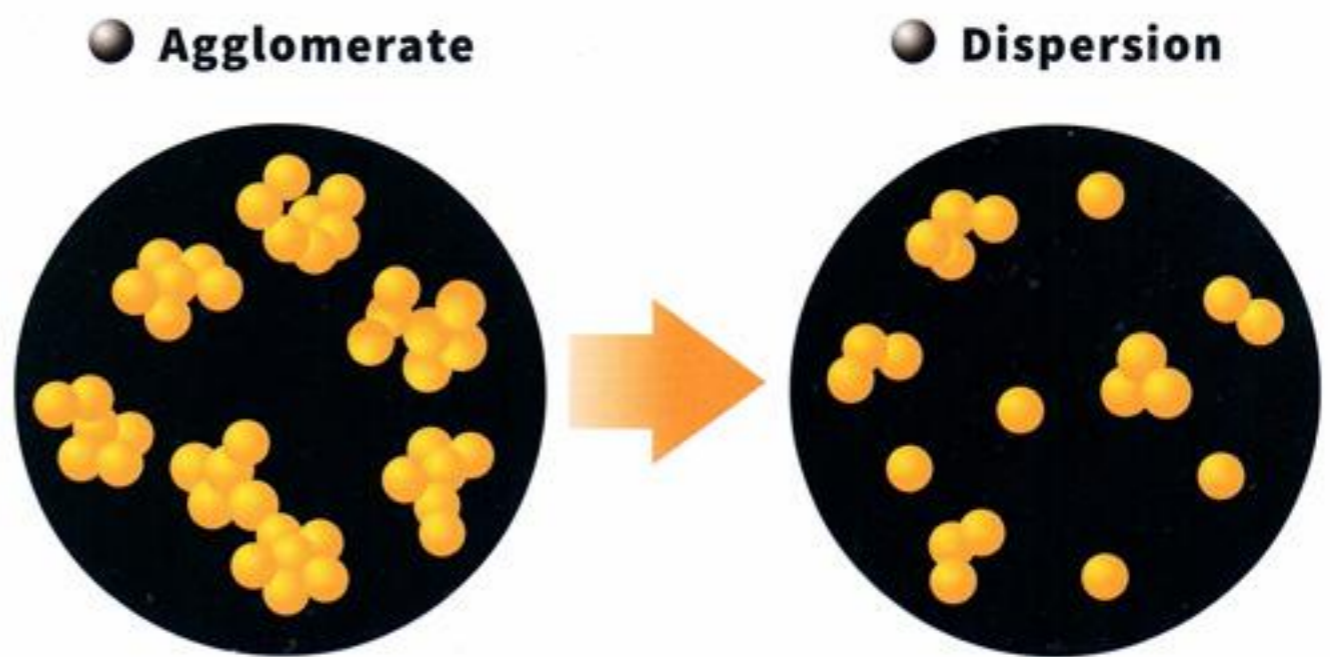
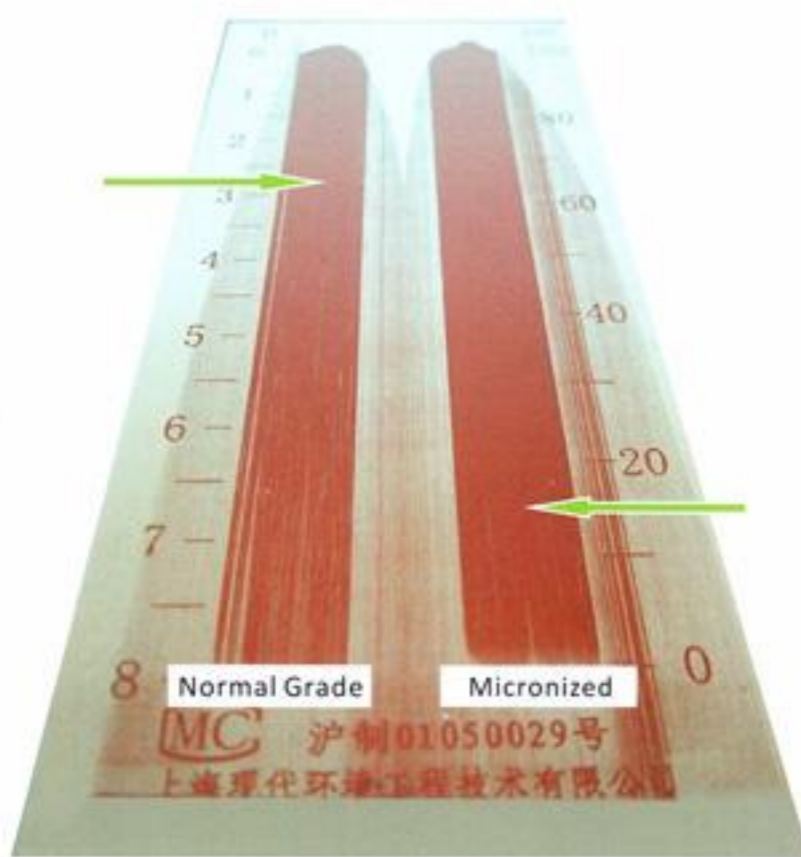


**Fine micronized particle size**



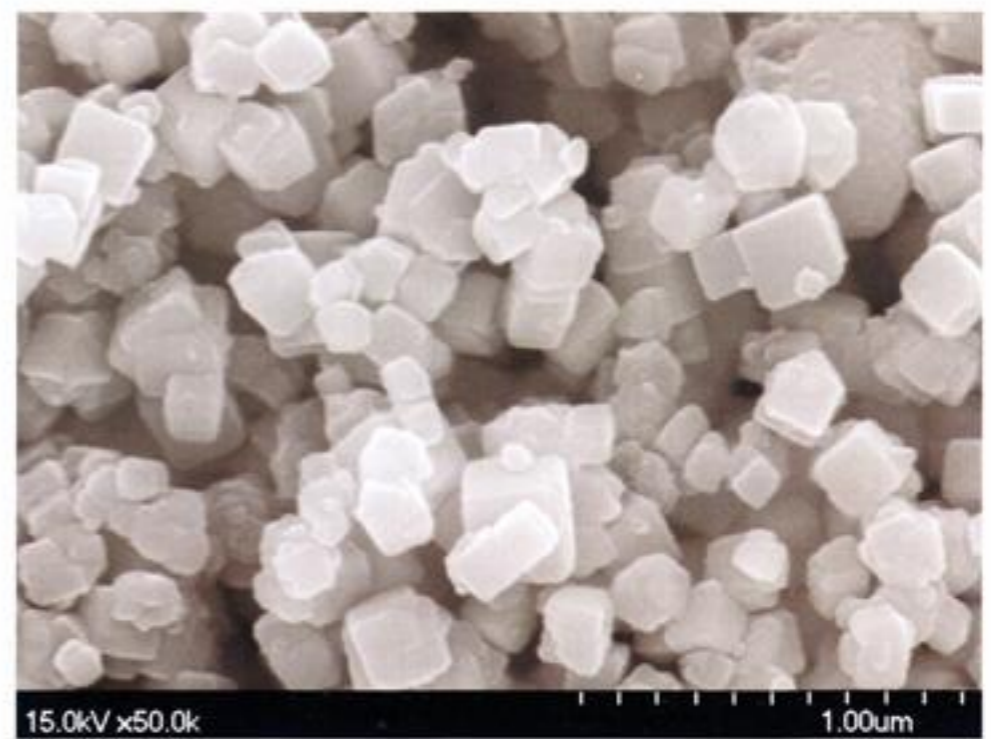
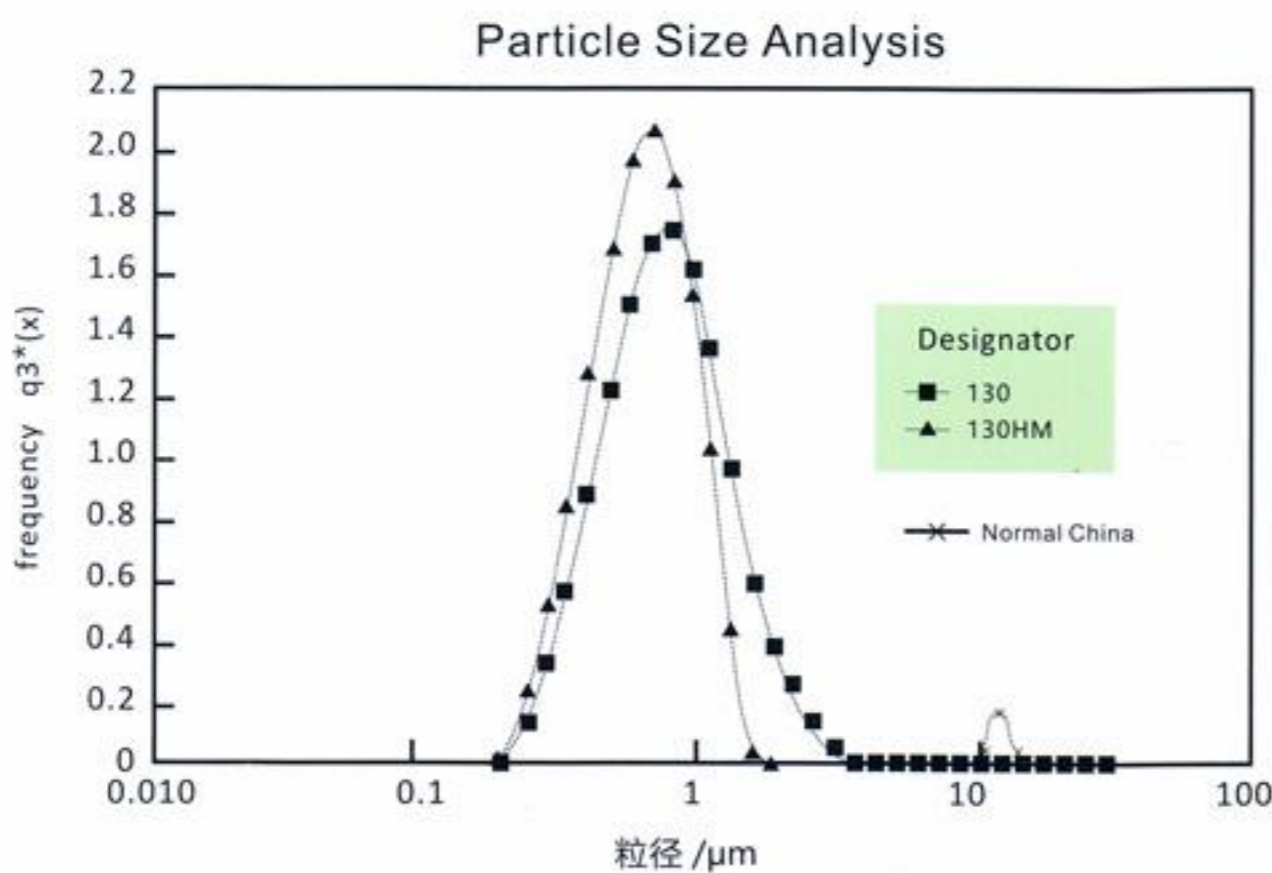
With the stable quality from production base, together with the strong technical support from Japanese shareholder – Toda Kogyo, HYROX has been able to supply high performance grade micronized iron oxide pigments, covering red, yellow and black colors.



















● **Significant improvement in dispersibility**





















● **Better particle distribution**

● **Micronized black**



Product 产品	Type 型号	Masstone 原色	TiO <sub>2</sub> Reduction 1:4 钛白粉冲淡色
氧化铁红	HY-100HM		
	HY-108HM		
	HY-120HM		
	HY-130HM		
	HY-140HM		
	HY-160HM		
	HY-125MP		
	HY-135MP		
	HY-180MP		

Product 产品	Type 型号	Masstone 原色	TiO <sub>2</sub> Reduction 1:4 钛白粉冲淡色
氧化铁黄	HY-905HM		
	HY-910HM		
	HY-920HM		
	HY-921HM		
	HY-951HM		
	HY-901HM		
氧化铁黑	HY-318HM		
	HY-320N		
	HY-350N		

### 3 series of products from Toda Sanfeng:

- Ultra-fine milling grades;
- Heat-stable products;
- Special processed series;

All above 3 grades are mainly used in high-grade paints, plastics, rubber, ink, leather, paper, pharmaceuticals, electronics, as well as for special application like brake shoes, heat insulation roofing, and so on.



**Brake Pad**



**High Grade Paints**



**Pharmaceuticals**



**Leather**



**Marine Paints  
& Automobile Paints**



**Electronic Products**

项目	颜色	三氧化二铁	水溶物	酸碱度	325目筛余物	水分	吸油量	真比重	粒径	相对色差	相对着色力	耐热温度	特征
Item	Color	Fe <sub>2</sub> O <sub>3</sub>	Water Soluble Matter	pH	Res. On 325 Mesh	Moisture	Oil Absorption	Bulk Density	Particle Size by SEM (Approximately)	ΔE	Tinting Strength	Heat-resistance	Characteristic
型号Type		%	%		%	%	ml/100g	g/ml	μm		%	℃	
HY-100HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.10	≤0.8	95~105	500	超细易分散 Fine Micronized Iron Oxide Red, Easy Dispersion
HY-108HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.11	≤0.8	95~105	500	
HY-120HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.13	≤0.8	95~105	500	
HY-130HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.17	≤0.8	95~105	500	
HY-140HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.30	≤0.8	95~105	500	
HY-160HM	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.35	≤0.8	95~105	500	
HY-125MP	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.17	≤0.8	95~105	700	
HY-135MP	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.30	≤0.8	95~105	700	
HY-180MP	RED	≥96.0	≤0.50	5-7	≤0.10	≤1.0	20-30	0.36~0.46	0.70	≤0.8	95~105	700	
HY-905HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.8	≤0.8	95~105		煅烧耐高温产品 Calcined Iron Oxide Red
HY-910HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.7	≤0.8	95~105		
HY-920HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.7	≤0.8	95~105		
HY-921HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.7	≤0.8	95~105		
HY-951HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.7	≤0.8	95~105		
HY-901HM	YELLOW	≥86.0	≤0.50	5-7	≤0.10	≤1.0	40-50	0.14~0.15	0.1X0.7	≤0.8	95~105		
HY-318HM	BLACK	≥95.0	≤0.50	5-7	≤0.10	≤1.0	20-26	0.31	0.20	≤0.8	95~105		
HY-320N	BLACK	≥95.0	≤0.50	5-7	≤0.10	≤1.0	20-26	0.31	0.20	≤0.8	95~105		
HY-350N	BLACK	≥95.0	≤0.50	5-7	≤0.10	≤1.0	20-26	0.31	0.15	≤0.8	95~105		

Information are provided according to general analysis data which are approximate values only for reference.

The purpose, methods, conditions and formulations of your utilizing of our products are beyond our control. It is imperative that you test our products in your own formulations to determine to your own satisfaction whether these products are suitable for your intended uses and applications.





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