

HOJA TÉCNICA
TECHNICAL DATA SHEET

COLO-05683-COLORANTE LABIALES DULCE DE LECHE

MEZCLA

MARRÓN ÓXIDO COSMÉTICO PMC	%
AMARILLO ÓXIDO DE HIERRO PMC	28-32
ROJO ÓXIDO PMC	43-47
	23-27

MARRÓN ÓXIDO COSMÉTICO PMC

IDENTIFICATION DATA

Chemical Name :	Iron Oxide
Chemical Category :	Synthetic Iron Oxide Fe ₂ O ₃
Color Index No. :	Pigment Red 101 : 77491 Pigment Yellow 42: 77492 Pigment Black 11: 77499
C.A.S. No. :	1309-37-1 20344-49-4 1317-61-9

CHEMICAL SPECIFICATIONS

Fe ₂ O ₃ Content :	97% Minimum
Particle Shape :	Spherical
Lead (as Pb) :	10 PPM Maximum
Arsenic (as As) :	3 PPM Maximum
Mercury(as Hg) :	3 PPM Maximum
Organic Color :	Negative
Water Soluble Matter :	1.0% Maximum
Acid Insoluble Matter :	0.3% Maximum

PHYSICAL PROPERTIES

Physical Form :	Dry Powder
Color :	Iron oxide
Primary Particle Size :	0,2 Micron
Bulk Density :	1,0- 1,4 Gram per Milliliter
Density :	5 Gram per Milliliter



RESISTANCE PROPERTIES

Heat :	Good
Light :	Excellent
Acid (Dilute) :	Good
Alkali (Dilute) :	Good
Solvent :	Excellent

USE RECOMMENDATION

CEST Iron Oxide Brown is highly recommended for use in face make-up. It is also used in lipsticks and eye make-up products (and in nail lacquers). It conforms to FDA specifications.

This information is given in good faith, without warranty. It also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.

AMARILLO ÓXIDO DE HIERRO PMC

IDENTIFICATION DATA

Chemical Name:	Iron Oxide
Chemical Category:	Synthetic Iron Oxide
Color Index No.:	Pigment Yellow 42: 77492
C.A.S. No.:	20344-49-4

CHEMICAL SPECIFICATIONS

Iron Oxide Content:	97% Minimum
Moisture:	3% Maximum
Particle Shape:	Acicular Crystals
Lead (as Pb):	10 PPM Maximum
Arsenic (as As):	3 PPM Maximum
Mercury(as Hg):	3 PPM Maximum
Organic Color:	Negative
Water Soluble Matter:	1.0% Maximum
Acid Insoluble Matter:	0.1% Maximum

PHYSICAL PROPERTIES

Physical Form:	Dry Powder
Color:	To Match Standard
Appearance:	Yellow Powder
Primary Particle Size:	0.1X0.8 Micron
Density:	4.0 Gram per Milliliter
Bulk Density:	0.3- 0.5 Gram per Milliliter



RESISTANCE PROPERTIES

Heat:	Good
Light:	Excellent
Acid (Dilute):	Good
Alkali (Dilute):	Excellent
Solvent:	Excellent

USERECOMMENDATION

Cest Iron Oxide Yellow is highly recommended for use in face make-up. It is also used in lipsticks and eye make-up products (and in nail lacquers). It conforms to FDA specifications.

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ROJO ÓXIDO PMC

General Description

Chemical Formula:	Fe ₂ O ₃
Type:	High purity red iron oxide pigment
Colour Index:	Pigment Red 101 (77491)
CAS No.:	1309-37-1
EINECS No.:	215-168-2

Technical Data - Specified Values

	<u>min.</u>	<u>max.</u>	<u>Test Method</u>
Colour Tolerance against current standard ⁽¹⁾ :			
ΔE* Reduced Shade ⁽²⁾		1.5	LOR-10
Relative Tinting Strength (%) ⁽²⁾	95	105	LOR-10
Water Soluble Salts (%)		0.6	LO-05
Sieve Residue on 44 μ Mesh (%)		0.5	LO-08
pH	5	9	LO-06



Metals – In accordance with Commission Regulation (EU) N° 231/2012 (E172) and with the requirements of FDA 21.CFR.73.200, 21.CFR.73.1200, 21.CFR.73.2250, 21.CFR.73.3125, USP, JPE, JECFA and WHO/FAO

Specified Values:

			<u>max.</u>	<u>Test Method</u>
Arsenic	As	ppm	2	LO-27
Cadmium	Cd	ppm	1	LO-27
Chromium	Cr	ppm	100	LO-27
Mercury	Hg	ppm	1	LO-27
Nickel	Ni	ppm	200	LO-27
Lead	Pb	ppm	10	LO-27
Copper	Cu	ppm	50	LO-27
Zinc	Zn	ppm	100	LO-27
Total Heavy Metals (as Pb)		ppm	30	external

Notes:

1. Short oil alkyd resin/melamine formaldehyde resin stoving enamel
 2. 1:9 with TiO₂
 3. T.E.M. = Transmission electron microscopy
- All data is given in good faith but without warranty.

