



E172 - IRON OXIDE PIGMENT YELLOW
OSSIDO DI FERRO GIALLO E172

codex number 09E172YCP

Date 02/09/2013

Emission nr 1

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DESCRIPTION - IDENTITY

Colour Index	77492	Chemical formula	Pigment yellow 42
Cas Register Number	51274-00-1	EINECS	257-098-5

PHYSICAL-CHEMICAL

Data	Units	Specifications	Note
Content	%	> 60	Fe in FeO(OH)xH ₂ O
Tinting strength	%	95-105	Against standard
Appearance powder		dark yellow powder	
Application		Dark Yellow	Comparable to standard
Water soluble salt	%	≤ 0,3	
Acid insoluble substance (105°C - 1 h)	%	≤ 0,3	
Loss on ignition	%	10-13	
pH		6-9	
Arsenic	CQ/AS	mg/kg	≤ 2
Lead	CQ/PB	mg/kg	≤ 10
Mercury	CQ/HG	mg/kg	≤ 1
Cadmium	CQ/CD	mg/kg	≤ 1
Chromium	CQ/CR	mg/kg	≤ 100
Zinc	CQ/ZN	mg/kg	≤ 100
Copper	CQ/CU	mg/kg	≤ 50
Barium	CQ/BA	mg/kg	≤ 50
Nickel	CQ/NI	mg/kg	≤ 200
Diameter particles			
		< 0.06 µm - 0 %	
		> 0.06 - < 0.2 µm - 4.6 %	
		> 0.2 - < 0.55 µm - 32.1 %	
		> 0.55 - < 1.1 µm - 47.7 %	
		> 1.1 - < 2.5 µm - 15.6 %	
		> 2.5 µm - 0 %	

Water and oil dispersable natural pigment fine powder

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LABELLING & CONFORMITY

E172 - Iron Oxide

Product comply to specific purity criteria stated on Dir. 231/2012/EC (128/2008/EC)

Usage of colorants may be subject to legislative limits, consult the legislation in force

SHELF LIFE AND STORAGE CONDITION

24 months kept in sealed original container in a dry and cool place.

OGM (Reg. EC 1829/2003 and 1830/2003)

Product does not derive or contain or it coming from any OGM. No labelling required

ALLERGEN (All. III bis Directives 2000/13/EC and 2003/89/EC

Product does not contain any allergens. None extra label require. Cross contamination managed by specific production and clearing procedure

IONISATED RADIATION

No irradiation apply without agreement with customer.

LABELLING TSE/BSE according to CPMP/410/01 :

Product does not derive or contain animal origin. Free of TSE/BSE. No labelling required

SAFETY SHEET (Reg EC 1907/2006)

Product is not hazardous in normal usage condition. MSDS provide upon request.

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