

## TECHNICAL DATA SHEET

Effective date: 10.2019

### Hydrophilic Red Cosmetic Pigment

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	CI 77491, Phytic acid, Sodium hydroxide
Origin	High purity red iron oxide
Description	Natural hydrophilic Phytic acid coated oxide
PCPC name	Iron oxides, Phytic acid, Sodium hydroxide
Color Index	77491

#### TECHNICAL DATA

##### Composition

CI 77491	98 % min
Phytic acid	0 – 3 %
Sodium hydroxide	0 – 1 %

##### Physical parameters

Appearance	Solid, powder
Color	Red
Water compatibility	Hydrophilic
Light stability	Good
Alkali stability	Good

##### Chemical parameters

<b>Heavy metals</b>	<b>ppm</b>
Lead	0 – 3
Arsenic	0 – 1
Mercury	0 – 0,5
Chromium	0 – 25
Nickel	0 – 10
Selenium	0 – 10
Zinc	0 – 20

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Copper	0 – 10
Barium	0 – 1
Cadmium	0 – 1
Cobalt	0 – 15
Antimony	0 – 10

### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers, keep dry and avoid humidity.
Shelf Life	5 years, in closed packaging under the recommended conditions.
Custom tariff	-

### LEGISLATION

Certification	-
EU - 1223/2009/EC <sup>[1]</sup>	Annex IV : CI 77491 *
EU - 231/2012/EU <sup>[1]</sup>	E172
USA	Iron oxides ** (meets the requirements of U.S. Title 21 CFR § 73.2250)
JAPAN	Red oxide of iron
CHINA	CI 77491 *
EINECS	215-168-2, 201-506-6, 215-185-5
CAS	1309-37-1, 83-86-3, 1310-73-2

\* Product type, body part : allowed in all cosmetics. \*\* exempt from certification ; for coloring cosmetics, including cosmetics applied to the area of the eye. [1] including amendments

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