

TECHNICAL DATA SHEET

Effective date: 08.2022
Rev.1

31 DARK BROWN Cosmetic Pigment

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Iron Oxide Red CI 77491, Iron Oxide Yellow CI 77492, Iron Oxide Black CI 77499
Description	Inorganic cosmetic pigment
CAS No.	1309.37.1-20344.49.4-1317.61.9

TECHNICAL DATA

Composition

Red Iron Oxide	CI 77491	30.0 –50.0 %
Yellow Iron Oxide	CI 77492	20.0 –40.0 %
Black Iron Oxide	CI 77499	10.0 –30.0 %

Physical parameters

Appearance	Solid, powder
Solubility	Insoluble in water and oil
Particle size	1µm

Chemical parameters

Heavy metals	ppm
As	< 2 ppm
Ba	< 50 ppm
Cd	< 3 ppm
Cr	< 100 ppm
Cu	< 50 ppm
Hg	< 1 ppm
Ni	< 10 ppm
Pb	<10 ppm
Sb	< 1 ppm
Zn	< 50 ppm

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Microbial purity

Total viable Aerobic count	< 100
E. Coli	Absent in 1 g
Pseudomonas aeruginosa	Absent in 1 g
Staphylococcus aureus	Absent in 1 g
Salmonella species	Absent in 1 g
Candida albicans	Absent in 1 g

TRANSPORT, STORAGE and SHELF LIFE

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

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