

Technical Data Sheet



Blackstar Red

Cosmetic Pigment

PRODUCT NO.	MICA S-4
INCI NAME:	Iron Oxides (and) Mica
APPEARANCE:	Black-red lustrous powder

CHEMICAL COMPOSITION:	%	C.I.No.	CAS No.	EINECS No.
Fe ₃ O ₄	48.0 – 56.0	77499	1317-61-9	215-277-5
Mica	44.0 – 52.0	77019	12001-26-2	310-127-6

PARTICLE SIZE DISTRIBUTION: 10.0 – 60.0 µm (80 % within range)
(Laser Diffraction) 18.0 – 25.0 µm (D50: median size)

pH: 6.0 – 10.0
(10 % aqueous dispersion; ISO 787-9)

LOSS ON DRYING: < 0.5 %
(105°C; 2 hours; ISO 787-2)

MICROBIAL PURITY: Total Viable Aerobic Count < 100 CFU/g
(USP, Ph. Eur.)

E. coli	absent in 1 g
Pseudomonas aeruginosa	absent in 1 g
Staphylococcus aureus	absent in 1 g
Salmonella species	absent in 10 g
Gram negative bacteria	absent in 1 g
Candida albicans	absent in 1 g

HEAVY METALS: As < 2 ppm Hg < 1 ppm
(Modified CTFA and internal methods) Ba < 50 ppm Ni < 10 ppm
Cd < 3 ppm Pb < 10 ppm
Cr < 100 ppm Sb < 1 ppm
Cu < 50 ppm Zn < 50 ppm

ADDITIONAL DATA:

The following data is included for informational purposes only and is not part of the product specifications.

BULK DENSITY: (Scott Volumeter) 3.8 – 4.6 g/in³
OIL ABSORPTION: (ASTM D281-84) appr. 80 g/100 g pigment
SHELF LIFE: 10 Years

DATE: 06/2018