



TECHNICAL DATA SHEET

Hilite Copper

CHEMICAL COMPOSITION:	%	COLOR INDEX NO.	CAS NO.	EINECS NO.
Titanium Dioxide	48.0 - 58.0	77891	13463-67-7	236-675-5
*Mica	28.0 - 42.0	77019	12001-26-2	310-127-6
*Silicon Dioxide	10.0 - 14.0		7631-86-9	231-545-4

INCI NAME: Titanium Dioxide (and) Mica (and) Silica

APPEARANCE: Reflection Color: Copper - Transmission Color: Green

PARTICLE SIZE: (laser diffraction)
 10.0 - 60.0 μm (80 % within range)
 18.0 - 25.0 μm (D_{50} : median size)

pH: (10% aqueous suspension, ISO 787-9)
 8.0 - 11.0

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

MICROBIAL PURITY: (USP, Ph. Eur., JP.)

Total Viable Aerobic Count	≤ 100 CFU/g
E. coli	absent in 1 g
Pseudomonas aeruginosa	absent in 1 g
Staphylococcus aureus	absent in 1 g
Salmonella species	absent in 10 g
Candida albicans	absent in 1 g
Gram negative bacteria	absent in 1 g

HEAVY METALS: (Modified PCPC and internal methods)

As \leq 2 ppm	Hg \leq 1 ppm
Ba \leq 50 ppm	Ni \leq 10 ppm
Cd \leq 3 ppm	Pb \leq 10 ppm
Cr \leq 100 ppm	Sb \leq 1 ppm
Cu \leq 50 ppm	Zn \leq 50 ppm

ADDITIONAL DATA:

The following data is included for information purposes and is not part of the product specifications:

BULK DENSITY:
(ISO 3923-2, ASTM B329-06)

27 - 37 g/100 ml

OIL ABSORPTION:
(ISO 787-5, ASTM D281)

55 - 75 g/100 g

SHELF LIFE:

10 years

DATE OF ISSUE:

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NOTE:

For further information see Specification and Material Safety Data Sheet.

*These following properties are warranted to meet the indicated limits, but Merck KGaA, Darmstadt, Germany does not perform these tests in lot acceptance.

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