

TECHNICAL DATA SHEET  
**SunSHINE® Glitter Bronze**  
C84-6480

F.D.A. & European Compliant  
U.S. - Listed in CFR 21 (§73.2250 for Iron Oxide)  
Europe - Listed in 76/768/EEC Annex IV, Part 1 & Amendments  
Japan – Inorganics are not regulated  
Synthetic Fluorphlogopite is not considered as a color additive

INCI NOMENCLATURE:

SYNTHETIC FLUORPHLOGOPITE (and) IRON OXIDE

CHEMICAL COMPOSITION:

	%	CAS	EINECS	CI
SYNTHETIC FLUORPHLOGOPITE	73 – 88	12003-38-2	234-426-5	/
Fe <sub>2</sub> O <sub>3</sub>	12 – 27	1309-37-1	215-168-2	77491

PRODUCT SPECIFICATIONS:

As:	1 ppm maximum	Ba:	30 ppm maximum
Cd:	1 ppm maximum	Sb:	1 ppm maximum
Hg:	1 ppm maximum	Cu:	30 ppm maximum
Cr:	30 ppm maximum	Ni:	60 ppm maximum
Pb:	1 ppm maximum	Zn:	60 ppm maximum

pH Value (10% aqueous slurry): 7 – 11

TYPICAL PROPERTIES:

Physical Form:	Dry Powder
Appearance:	Bronze Pearl
Particle Size Distribution:	20 – 95 µm D(50)= 42 – 48 µm
Water Solubles:	0.3% maximum
Acid Solubles:	0.5% maximum
Loss on Drying:	0.5% maximum
Loss on Ignition:	0.5% maximum

“Although the data supplied above are believed to be correct, the data are presented without any representation or warranty concerning the suitability, performance or correctness of the product for a particular application or use. Significant variations can occur between test results and results obtained in actual use. We strongly advise that before purchase the buyer test the product in the specific intended application under conditions expected during use. Suggestions made by Sun Chemical Corporation are our opinion only and there is no warranty of the results to be obtained.”

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**US, EU and JAPAN REGULATORY REQUIREMENTS:** SunSHINE® Glitter Bronze C84-6480 is approved for use in all cosmetic products in the United States and in Europe.

Synthetic Fluorophlogopite is listed in CTFA 11<sup>th</sup> Edition and in the European Official Journal L132.

There is no special regulation requirement for Synthetic Fluorophlogopite in Asian countries including Japan.

**OTHER PRODUCT INFORMATION:** This product is not manufactured using raw materials derived from plants or animals, wheat or other grains; therefore it is considered to be Bovine spongiform encephalopathy (BSE), Genetically Modified Organisms (GMO) and gluten free. This is free of the 27 allergen list as per the 7<sup>th</sup> amendment of the 76/768/EEC. Sun Chemical's Microbiology Specification for Cosmetic Pigments is Standard Plate Count. Results must be < or = 100 cfu, Yeast & Mold results combined must be < or = 100 cfu. No pathogens permitted.

**USE RECOMMENDATION:** SunSHINE® Glitter Bronze C84-6480 may be used in amounts consistent with current good manufacturing practice.

**SHELF LIFE:** Ten years, providing it is stored in dry, clean, opaque sealed containers at room temperature (< 25°C). For storage conditions, see MSDS.

Revision: 9/22/09

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