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# ***Black Iron Oxide SS***

## ***Technical Data Sheet***

**Product Name:** Gelest Black Iron Oxide SS  
**Product Code:** BIA-SSA  
**INCI Name:** Iron Oxides, Stearyl Triethoxysilane  
**CAS #:** 1317-61-9, 7399-00-0  
**EINECS #** 215-277-5, 230-995-9  
**CI Number:** 77499  
**Shelf Life:** 5 year minimum; retest to extend  
**Date Issued** 16 February 2015  
**Revision Number:** 4

### ***Typical Properties***

*Note: The values below are typical, not intended for use in preparing specifications. Please contact the Gelest PCS sales representative when writing specifications.*

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<b><u>Test</u></b>	<b><u>Parameter</u></b>
Appearance	Black powder
Odor	Slight, characteristic
Hydrophobicity:	Passes (1gram floats on 50 ml still deionized water for one hour)
Loss on Drying @105°C three hours	< 1%
Heavy metals:	
Arsenic:	maximum 3 ppm
Cadmium:	maximum 1 ppm
Chromium:	maximum 100 ppm
Copper:	maximum 50 ppm
Lead:	maximum 10 ppm
Mercury:	maximum 1 ppm
Nickel:	maximum 200 ppm
Zinc:	maximum 100 ppm
Microbial content:	< 100 cfu/gram; no pathogens
Composition:	
Black Iron Oxide	98-99%
Stearyl Triethoxysilane	1- 2%