



# Black Iron Oxide SF

## Technical Data Sheet

<b>Product Name:</b>	Gelest Black Iron Oxide SF
<b>Product Code:</b>	BIA-SFA
<b>INCI Name:</b>	Iron Oxides, Triethoxysilylpropyl Acetyl Hydroxyprolinate
<b>CAS #:</b>	1317-61-9; N/A
<b>EINECS #</b>	215-277-5, N/A
<b>CI Number:</b>	77499

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### ***TYPICAL PROPERTIES:***

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

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