



# Black Iron Oxide AS

## Technical Data Sheet

<b>Product Name:</b>	Gelest Black Iron Oxide AS
<b>Product Code:</b>	BIA-ASA
<b>INCI Name:</b>	Iron Oxides, Polycaprylylsilsesquioxane
<b>CAS #:</b>	1317-61-9, 1385031-14-0
<b>EINECS #</b>	215-277-5, N/A (polymer)
<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>Hydrophobicity:</b>	Passes (1gram floats on 50 ml still deionized water for one hour)
<b>Loss on Drying @105°C three hours:</b>	< 1%
<b>Heavy metals:</b>	
Arsenic:	Maximum 3 ppm
Barium:	Maximum 50 ppm
Cadmium:	Maximum 10 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
<b>Microbial content:</b>	< 100 cfu/gram; no pathogens
<b>Composition:</b>	
Black Iron Oxide:	98-99%
Polycaprylylsilsesquioxane:	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.