



Black Iron Oxide TC

Technical Data Sheet

Product Name:	Gelest Black Iron Oxide TC
Product Code:	BIA-TCA
INCI Name:	Iron Oxides, Triethoxycaprylylsilane
CAS #:	1317-61-9, 2943-75-1
EINECS #	215-277-5, 220-941-2
CI Number:	77499

TYPICAL PROPERTIES:

<u>Test</u>	<u>Parameter</u>
Appearance:	Black powder
Odor:	Slight, characteristic
Hydrophobicity:	Passes (1 gram 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%
Triethoxycaprylylsilane:	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.