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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
Shelf Life: 5 year minimum; retest to extend
Date Issued 28 January 2015
Revision Number: 3

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.

<u>Test</u>	<u>Parameter</u>
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%
Triethoxycaprylylsilane	1- 2%