



Gelest, Inc.
11 East Steel Road
Morrisville, PA 19067
www.gelest.com

For Product information, contact
Dave Dick., Sales Manager
Phone: 215-547-1015
Fax: 215-547-2484

Black Iron Oxide AS

Technical Data Sheet

Product Name: Gelest Black Iron Oxide AS
Product Code: BIA-ASA
INCI Name: Iron Oxides, Polycaprylylsilsesquioxane
CAS #: 1317-61-9, 1385031-14-0
EINECS # 215-277-5, N/A (polymer)
CI Number: 77499
Shelf Life: 5 year minimum; retest to extend
Date Issued 20 March 2013
Revision Number: 1

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
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
Microbial content:	< 100 cfu/gram; no pathogens
Composition:	
Black Iron Oxide	98-99%
Polycaprylylsilsesquioxane	1- 2%