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Black Iron Oxide HS

Technical Data Sheet

Product Name: Gelest Black Iron Oxide HS
Product Code: BIA-HSA
INCI Name: Iron Oxides, Disodium Carboxyethyl Siliconate
CAS #: 1317-61-9, 18191-40-7
EINECS # 215-277-5, N/A
CI Number: 77499
Shelf Life: 5 year minimum; retest to extend
Date Issued 11 April 2016
Revision Number: 6

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
Hydrophilicity:	Passes (1gram wets on 50 ml still deionized water)
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%
Disodium Carboxyethyl Siliconate	1-2%