

Technical Data Sheet

Product Name: Gelest Yellow Iron Oxide SS
Product Code: YIA-SSA
INCI Name: Iron Oxides, Stearyl Triethoxysilane
CAS #: 51274-00-1, 7399-00-0
EINECS # 257-098-5, 230-995-9
CI Number: 77492
Date Issued 4/15/2009
Revision Number: 2; INCI name revision; jch

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 | yellow 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: | |
| Yellow Iron Oxide | 98-99% |
| Stearyl Triethoxysilane | 1- 2% |