



Enabling Your Technology

Yellow Iron Oxide SF

Technical Data Sheet

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|----------------------|---|
| Product Name: | Gelest Yellow Iron Oxide SF |
| Product Code: | YIA-SFA |
| INCI Name: | Iron Oxides, Triethoxysilylpropyl Acetyl Hydroxyprolinate |
| CAS #: | 51274-00-1, N/A |
| EINECS # | 257-098-5, N/A |
| CI Number: | 77492 |

TYPICAL PROPERTIES:

| <u>Test</u> | <u>Parameter</u> |
|--|--|
| Appearance: | Yellow powder |
| Odor: | Slight, characteristic |
| Hydrophilicity: | Passes (1 gram on 50 ml still deionized water) |
| 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% |
| Triethoxysilylpropyl Acetyl Hydroxyprolinate: | 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.