

Strem Chemicals, Inc.

www.strem.com

Catalog # 26-2758 Iron(III) oxyhydroxide in water at pH = 3.0 +/- 0.5 (FEO-W320)

Note: Sold in collaboration with Cerion for research purposes only.

% Solids:	20.0 +/- 0.5 as Fe ₂ O ₃
pH:	3.0 +/- 0.5
Mean Number Weighted Particle Diameter:	<5.0 nm (by Dynamic Light Scattering)
Polydispersity Index:	<0.25
Chemical Composition (particles):	>99.5% FeOOH

Strem offers high-performance Cerium-based nanomaterials, developed and manufactured by Cerion, LLC. Cerion's process allows unprecedented control over nanoparticle sizes down to 1nm. The products are sized from 2nm to 10nm, with a narrow size frequency distribution. The particles remain unagglomerated through the use of surface stabilizers. Cerion's products are stable for a minimum of 6 months at room temperature, although many have proven to be stable for years. Nanoparticle concentrations can reach 10-20wt%.

Products offered include:

[58-0850](#) Cerium(IV) oxide [contains some Ce(III)] in water at pH = 9.0 +/- 0.5 (CEO-W290)

[58-0860](#) Cerium(IV) oxide [contains some Ce(III)] in water at pH = 3.5 +/- 0.75 (CEO-W320)

26-2758 Iron(III) oxyhydroxide in water at pH = 3.0 +/- 0.5 (FEO-W320)

[58-0865](#) Mixed metal oxides of cerium(IV) [contains some Ce(III)] and iron(III) in water at pH 4.75 +/- 0.25 (CEF-W420)

[58-0870](#) Mixed metal oxides of cerium(IV) [contains some Ce(III)] and iron(III) in octanoic acid and Kensol 50H (CEF-KE02)