

IRON –OXIDE Silicon Oxide TITANIUM Oxide CORE Shell 99.9%

(Purity)



Stock no:
NS6130-12-000551

CHEMICAL IDENTIFIERS

Purity	:	99.9%
Chemical name	:	Fe ₃ O ₄ /SiO ₂ /TiO ₂
APS	:	80-100nm

Fe₃O₄ /SiO₂ /TiO₂ core-shell nanoparticles have been evaluated as catalyst for photoreduction of aqueous solution of Ag(I) ions. The Fe₃O₄/SiO₂/ TiO₂ core-shell nanoparticles show excellent magnetism and higher photocatalytic activity for Ag(I) photoreduction than that of unmodified TiO₂. The core-shell nanoparticles can be separated from the reaction mixture by simple magnetic separation. This material may find many applications in

Applications

- ✓ In the treatment of organic and inorganic waste
- ✓ Cell labeling
- ✓ Photodynamic therapy
- ✓ Drug delivery



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

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