

Nanoparticles (tube, powder, etc.)



Nanoparticles are the fundamental components of the broad field of nanotechnology. Nanoparticles are microscopic particles with sizes ranging from 1nm to 100nm. The properties of the material change as their size approaches the nanoscale. The optical characteristics of nanoparticles are often surprising, and are one of their fundamental attractions. For example, gold nanoparticles have a wine red color as opposed to the traditional yellow. An inorganic nanotube is a cylindrical molecule often composed of metal oxides, or group III-Nitrides and morphologically similar to a carbon nanotube. Inorganic nanotubes have been observed to occur naturally in some mineral deposits. Examples include: tungsten (IV) sulfide (WS_2), molybdenum disulfide (MoS_2), and tin (IV) sulfide (SnS_2).



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Nanoparticles

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	44931	Aluminum oxide, NanoArc [®] , AL-0405, 99.5%
	44925	Aluminum oxide, NanoArc [®] AL-0450, 50% in H ₂ O, colloidal dispersion with dispersant
	45586	Aluminum oxide, NanoArc [®] AL-2220, 30% in mineral spirits, colloidal dispersion with dispersant
	45790	Aluminum oxide, NanoDur [®] AL-2420, 50% in mineral spirits, colloidal dispersion with dispersant
	44930	Antimony tin oxide, NanoArc [®] , 99.5%
	46314	Bismuth(III) oxide, nanopowder, 99.9%
	47283	Cerium iron oxide, 20% in H ₂ O, nanoparticle dispersion, low pH, <5.0nm APS Number Weighted
	47251	Cerium iron oxide, 2.0% in octanoic acid and Kensol 50H, nanoparticle dispersion, <5.0nm APS Number Weighted
	47240	Cerium(IV) oxide, 20% in H ₂ O, nanoparticle dispersion, high pH, <5.0nm APS Number Weighted
	47232	Cerium(IV) oxide, 20% in H ₂ O, nanoparticle dispersion, low pH, <5.0nm APS Number Weighted
	47259	Cerium(IV) oxide, doped with 18% zirconium, 13% in H ₂ O, nanoparticle dispersion, high pH, <5.0nm APS Number Weighted
	44910	Cerium(IV) oxide, NanoTek [®] CE-6080, 20% in H ₂ O, colloidal dispersion in water with dispersant
	44661	Cobalt(II,III) oxide, nanopowder, 99% (metals basis)
	46347	Cobalt nanopowder, APS 25-30nm, 99.8% (metals basis)

	44663	Copper(II) oxide, nanopowder
	45504	Copper nanopowder, APS 20-50nm, 99.9% (metals basis)
	45822	Gold nanopowder, APS 20-25nm, 99.95+% (metals basis)
	46877	Gold nanorods, 12-18nm dia. x 49-59nm length, dispersion in water, 750nm Absorption, negatively charged
	46712	Gold nanorods, 12-18nm dia. x 49-59nm length, dispersion in water, 750nm Absorption, positively charged
	46997	Gold nanorods, 19-25nm dia. x 50-60nm length, dispersion in water, 650nm Absorption, negatively charged
	46331	Gold nanorods, 19-25nm dia. x 50-60nm length, dispersion in water, 650nm Absorption, positively charged
	46923	Gold nanorods, 19-25nm dia. x 63-73nm length, dispersion in water, 700nm Absorption, negatively charged
	46359	Gold nanorods, 19-25nm dia. x 63-73nm length, dispersion in water, 700nm Absorption, positively charged
	46810	Gold nanorods, 9-15nm dia. x 46-56nm length, dispersion in water, 800nm Absorption, positively charged
	46972	Gold nanorods, 9-15nm dia. x 55-65nm length, dispersion in water, 850nm Absorption, negatively charged
	46945	Gold nanorods, 9-15nm dia. x 55-65nm length, dispersion in water, 850nm Absorption, positively charged
	47132	Graphene nanoplatelets aggregates, sub-micronparticles, S.A. 500 m ² /g
	47241	Iron(III) hydroxide, 20% in H ₂ O, nanoparticle dispersion, low pH, <5.0nm APS Number Weighted
	47141	Iron(II,III) oxide, nanopowder, 97%
	47044	Iron(III) oxide, alpha-phase, nanopowder, 98% (metals basis)
	44895	Iron(III) oxide, cosmetic, NanoArc®
	45007	Iron(III) oxide, industrial, NanoArc®
	44896	Iron(III) oxide, magnetic, NanoArc®

	45507	Iron nanopowder, APS 10-30nm
	44733	Magnesium oxide, nanopowder, 99+% (metals basis)
	45508	Manganese nanopowder, APS 30-50nm
	45794	Molybdenum nanopowder, APS 60-80nm, 99% (metals basis)
	45505	Nickel nanopowder, APS 5-20nm, 99.9% (metals basis)
	44646	Silicon carbide, beta-phase, nanopowder
	43884	Silicon carbide, beta-phase, nanopowder, 95% min
	47280	Silver chloride, 4.9% in H ₂ O, nanoparticle dispersion, <200nm APS Number Weighted
	45509	Silver nanopowder, APS 20-40nm, 99.9% (metals basis)
	44922	Titanium carbide, nanopowder
	45603	Titanium(IV) oxide, anatase, nanopowder, 99.7% (metals basis)
	47154	Yttrium(III) oxide, nanopowder, 99.995% (REO)
	45410	Zinc oxide doped with silver, NanoTek® ZnO:Ag-W, 50% in H ₂ O, colloidal dispersion
	45849	Zinc oxide, NanoArc□ ZN-0605
	44924	Zinc oxide, NanoArc□ ZN-0625, 50% in 1,2-propanediol monomethyl ether acetate, colloidal dispersion with dispersant
	47222	Zinc oxide, NanoArc□ ZN-0656, 50% in H ₂ O, colloidal dispersion with nonionic dispersant and rheology modifier
	44533	Zinc oxide, nanopowder, 99% (metals basis)



44886 Zirconium(IV) oxide, nanopowder, 99% (metals basis excluding Hf)

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