



Data Sheet
NYACOL TiSol A

NYACOL® TiSol A
Colloidal Titanium Dioxide

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SUMMARY

NYACOL TiSol A is an aqueous dispersion of titanium dioxide that is designed for use in coatings and catalyst applications. TiSol A provides a high index of refraction for coatings and excellent transparency as a result of the small particle size. TiSol A can also be used as a transparent UV absorber.

TYPICAL PROPERTIES

	TiSol A
Titanium Dioxide (wt%)	15
Particle Diameter* (nm)	10 – 25
Specific surface area (m ² /g)	110 – 150
pH	1.3 – 1.8
Specific Gravity	1.15
Viscosity (cP)	5 – 25
Crystal structure	>80% anatase
Crystalline domain size (nm)	4

* Volume average by Dynamic Light Scattering (DLS).

METALS LEVELS

	TiSol A
As, Bi, Fe, Hf, Nb, P, Sb, Se, Si, Sn, Ta, W	<20 ppm
Ga, In, Pb	<10 ppm
Al, Ba, Be, B, Ca, Cd, Cr, Co, Cu, K, La, Li, Mg, Mn, Mo, Na, Ni, Sr, Ti, V, Y, Zn	<5 ppm

HANDLING

NYACOL TiSol A should not be subjected to temperatures of 32°F or below to avoid freezing.

SAFETY

NYACOL TiSol A is acidic and may cause eye and skin irritation. Users should observe precautions printed on the package label. A Safety Data Sheet for this product will be supplied on request.

FOR ADDITIONAL INFORMATION OR TO ORDER MATERIAL

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