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SPECIFICATION SHEET

GERMANIUM 132 (Ge-132) Germanium sesquioxide

GCI ITEM#: 3640

COUNTRY OF ORIGIN: CHINA

PARAMETER	SPECIFICATION
Appearance (Visual, C0006.sop)	White crystalline powder
Identification (FTIR, C0008.sop)	Conforms to reference spectrum
Molecular Weight	339.32
Ge content (AA, C0026.mth)	NLT 42.5%
Assay (Titration, C0027.mth)	NLT 99.5%
pH (2% solution at 20°C)	2.2-2.6
Germanium dioxide	NMT 5ppm
Solubility	Slightly hazy colorless solution
Particle Size	100% pass through 100 mesh
Loss on Drying (2 hrs. at 110°C, C0009.sop)	0.5% max
Heavy Metals (AA, C0011.sop)	
Arsenic:	<0.5ppm
Cadmium:	<0.1ppm
Lead:	<1.0ppm
Mercury:	<0.5ppm
Microbiological	
Total plate Count:	<1,000cfu/g
Yeast & Mold:	<100cfu/g
E. coli:	Negative
Salmonella:	Negative