



High Purity Elements & Compounds

□ Germanium Dioxide

Germanium Dioxide (GeO_2), with purity of 99.999% and 99.9999% (5N 6N), also called Germanium Oxide, CAS No 1310-53-8, is white powder with melting point 1115 °C and specific gravity 6.239g/cm³, practically insoluble in water, which is the main commercial source of germanium, Ge-based compounds, chemical catalyst, medical industry, and also used as infrared and optical material.



No	Item	Standard Specification		
1	Germanium Dioxide	≥99.999%	≥99.9999%	
2	Impurity PPM _{wt} Max Each	As	0.50	0.10
		Fe	0.10	0.10
		Cu	0.20	0.01
		Ni	0.20	0.02
		Pb	0.10	0.02
		Ca	-	0.15
		Mg	-	0.10
		Si	-	0.02
		Co	0.20	0.02
		In	-	0.01
		Zn	-	0.15
		Al	1.00	0.01
	Total	10ppm	1.0ppm	
3	Resistivity Ohm.cm	≥50 ohm.cm	≥50 ohm.cm	
4	Size	50um powder		
5	Packing	1kgs in plastic bag , then in composite case		