

Bismuth Oxide, varistor grade fine

30.07.07

Nomenclature	Bismuth Oxide Bismuthous Oxide Bismuth Yellow Bismuth Sesquioxide																														
Formula	Bi ₂ O ₃																														
CAS Number	1304-76-3																														
Specifications	<table><tr><td>Bismuth (Bi)</td><td>89.5 - 89.9 %</td></tr><tr><td>Loss on drying</td><td>max. 0.2 %</td></tr><tr><td>Chloride (Cl)</td><td>max. 10 ppm</td></tr><tr><td>Sulphate (SO₄)</td><td>max. 10 ppm</td></tr><tr><td>Sodium (Na)</td><td>max. 10 ppm</td></tr><tr><td>Iron (Fe)</td><td>max. 10 ppm</td></tr><tr><td>Magnesium (Mg)</td><td>max. 10 ppm</td></tr><tr><td>Aluminium (Al)</td><td>max. 5 ppm</td></tr><tr><td>Cadmium (Cd)</td><td>max. 5 ppm</td></tr><tr><td>Calcium (Ca)</td><td>max. 5 ppm</td></tr><tr><td>Copper (Cu)</td><td>max. 5 ppm</td></tr><tr><td>Lead (Pb)</td><td>max. 5 ppm</td></tr><tr><td>Nickel (Ni)</td><td>max. 5 ppm</td></tr><tr><td>Silver (Ag)</td><td>max. 5 ppm</td></tr><tr><td>Other impurities</td><td>max. 100 ppm</td></tr></table>	Bismuth (Bi)	89.5 - 89.9 %	Loss on drying	max. 0.2 %	Chloride (Cl)	max. 10 ppm	Sulphate (SO ₄)	max. 10 ppm	Sodium (Na)	max. 10 ppm	Iron (Fe)	max. 10 ppm	Magnesium (Mg)	max. 10 ppm	Aluminium (Al)	max. 5 ppm	Cadmium (Cd)	max. 5 ppm	Calcium (Ca)	max. 5 ppm	Copper (Cu)	max. 5 ppm	Lead (Pb)	max. 5 ppm	Nickel (Ni)	max. 5 ppm	Silver (Ag)	max. 5 ppm	Other impurities	max. 100 ppm
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If required, lower levels of impurity can be obtained.

Typical Properties Insoluble in water. Soluble in mineral acids.
Bulk density-Tapped: appr. 2.2 g/cm³
Density: 8.9 g/cm³
Molecular Weight: 465.96
Average Particle Size: 2 microns maximum

Container 25 kg net in Fiber drum
25 kg net in Plastic drum

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