



TECHNICAL DATA SHEET

Version: D 2016/10/13

BISMUTH OXIDE THERMAL PURE GRADE

Determination	Unit	Specification
Bi	%	≥ 89.5
Na	ppm	≤ 5
Ca	ppm	≤ 5
Mg	ppm	≤ 5
Al	ppm	≤ 5
Si	ppm	≤ 10
As	ppm	≤ 5
Cd	ppm	≤ 5
Fe	ppm	≤ 10
Ni	ppm	≤ 5
Cu	ppm	≤ 5
Pb	ppm	≤ 7
Ag	ppm	≤ 7
Cl	ppm	≤ 10
SO4	ppm	≤ 10
Loss on drying	%	≤ 0.2

Formula	Bi ₂ O ₃
Molecular weight	466
Purity %	99.99
Appearance	Yellow powder
CAS	1304-76-3
EINECS	215-134-7

Application	Varistor
	Arrestor
	Carboxylates
	Electronic

Packaging	Paper bag
	Big bag

Particles size	Standard	Max
D50 μm	3.0 – 4.5	6

Density	Standard
Tapped density	1.8 -3.0