

Bismuth (III) oxide, Electronic grade

GRM2666

Product Identifier

CAS No.	:	1304-76-3
EC No.	:	215-134-7
Molecular Formula	:	Bi ₂ O ₃
Molecular Weight	:	465.96
HS Code	:	2825 90 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to yellow to yellow-green powder
Solubility	:	33.3 mg soluble in 1 mL of hydrochloric acid
Cadmium (Cd)	:	<= 0.00005%
Chloride (Cl)	:	<= 0.0002%
Copper (Cu)	:	<= 0.00005%
Lead (Pb)	:	<= 0.0001%
Magnesium (Mg)	:	<= 0.00005%
Nickel (Ni)	:	<= 0.00005%
Sodium (Na)	:	<= 0.00007%
Silver (Ag)	:	<= 0.00005%
Sulfate (SO ₄)	:	<= 0.0005%
Zinc (Zn)	:	<= 0.00005%
Loss on drying (at 105°C, 1 hr)	:	<= 0.2%
Assay (Bi, EDTA T, on dry basis)	:	89.50 - 89.90%
Assay (Based on Trace Metal Analysis)	:	min. 99.999%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	nwg