

4037 - BISMUTH OXIDE, EXTRA PURE

REF NO: TBL/QA/SS/LC/4037	STANDARD SPECIFICATION FOR BISMUTH OXIDE, EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 07/11/2024
Issue Date: 08/11/2021		Product code: 4037

PRODUCT PROPERTIES

C.A.S Number	1304-76-3
Chemical Formula	Bi ₂ O ₃
Formula weight	465.65
Functional Uses	Preparation of new stabilized, oxide ion-conducting, bismuth vanadate phases by a microwave assisted method, from V ₂ O ₅ , Bi ₂ O ₃ and other solid oxides, was reported. These ceramics show promise in solid oxide fuel cells, water-vapor electrolyzers and oxygen sensors.
Standard Packaging	100 gm, 500 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Yellow to yellow-green powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Arsenic (As)	NMT – 0.0001%
Nitrate (NO ₃)	NMT – 0.03%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

