

PRODUCT SPECIFICATION SHEET

Nitric Acid, 67%

Electronic/Semiconductor Grade

Test	Specification	Typical Results
Assay (HNO ₃), %	69-70	69-70
Color, APHA	Max 10	Max 10
Chloride (Cl), ppb	Max 80	Max 80
Phosphate (PO ₄), ppb	Max 200	Max 200
Sulfate (SO ₄), ppb	Max 500	Max 500
Aluminum (Al), ppb	Max 20	Max 20
Arsenic and Antimony (as As), ppb	Max 5	Max 5
Barium (Ba), ppb	Max 10	Max 10
Beryllium (Be), ppb	Max 10	Max 10
Bismuth (Bi), ppb	Max 10	Max 10
Boron (B), ppb	Max 10	Max 10
Cadmium (Cd), ppb	Max 10	Max 10
Calcium (Ca), ppb	Max 50	Max 50
Chromium (Cr), ppb	Max 10	Max 10
Cobalt (Co), ppb	Max 10	Max 10
Copper (Cu), ppb	Max 10	Max 10
Gallium (Ga), ppb	Max 10	Max 10
Germanium (Ge), ppb	Max 10	Max 10
Gold (Au), ppb	Max 10	Max 10
Iron (Fe), ppb	Max 50	Max 50

Lead (Pb), ppb	Max 10	Max 10
Lithium (Li), ppb	Max 10	Max 10
Magnesium (Mg), ppb	Max 10	Max 10
Manganese (Mn), ppb	Max 10	Max 10
Molybdenum (Mo), ppb	Max 10	Max 10
Nickel (Ni), ppb	Max 10	Max 10
Platinum (Pt), ppb	Max 10	Max 10
Potassium (K), ppb	Max 20	Max 20
Silver (Ag), ppb	Max 10	Max 10
Sodium (Na), ppb	Max 50	Max 50
Strontium (Sr), ppb	Max 10	Max 10
Thallium (Tl), ppb	Max 10	Max 10
Tin (Sn), ppb	Max 10	Max 10
Titanium (Ti), ppb	Max 10	Max 10
Vanadium (V), ppb	Max 10	Max 10
Zinc (Zn), ppb	Max 10	Max 10
Zirconium (Zr), ppb	Max 10	Max 10
Particle Count, 0.5 mm, ct/ml	Max 50	Max 50
Particle Count, 1.0 mm, ct/ml	Max 10	Max 10

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user