



# Specification Report

Printed on: 5-Nov-12

## 438-147319 Standard

Item Code: 438-147319  
Description: Nitric Acid 69.5% Cleanroom® MB  
Container: RIKUTEC NITRIC  
Approved on: 24-Oct-2008

Ship to: 438-147319 Standard  
Specification: Standard  
Revision: 1  
Part Number: 438-147319

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Assay (HNO3)	69.00	70.00	%
Color		10	APHA
Appearance			
Chloride (Cl)		50	ppb
Phosphate (PO4)		50	ppb
Sulfate (SO4)		200	ppb
Aluminum (Al)		5.00	ppb
Antimony (Sb)		3.00	ppb
Arsenic (As)		3.00	ppb
Barium (Ba)		10.00	ppb
Beryllium (Be)		10.00	ppb
Bismuth (Bi)		10.00	ppb
Boron (B)		10.00	ppb
Cadmium (Cd)		5.00	ppb
Calcium (Ca)		10.00	ppb
Chromium (Cr)		10.00	ppb
Cobalt (Co)		10.00	ppb
Copper (Cu)		10.00	ppb
Gallium (Ga)		10.00	ppb
Germanium (Ge)		5.00	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Gold (Au)		5.00	ppb
Iron (Fe)		5.00	ppb
Lead (Pb)		10.00	ppb
Lithium (Li)		5.00	ppb
Magnesium (Mg)		10.00	ppb
Manganese (Mn)		10.00	ppb
Molybdenum (Mo)		10.00	ppb
Nickel (Ni)		10.00	ppb
Niobium (Nb)		10.00	ppb
Potassium (K)		5.00	ppb
Silicon (Si)		30.00	ppb
Silver (Ag)		10.00	ppb
Sodium (Na)		5.00	ppb
Strontium (Sr)		10.00	ppb
Tantalum (Ta)		10.00	ppb
Thallium (Tl)		10.00	ppb
Tin (Sn)		10.00	ppb
Titanium (Ti)		10.00	ppb
Vanadium (V)		10.00	ppb
Zinc (Zn)		10.00	ppb
Zirconium (Zr)		10.00	ppb
0.5µ Particle Count		100	par/ml
1.0µ Particle Count		25	par/ml