

Product Specifications

PRODUCT NAME: Nitric Acid
Krystal Pure Grade 2

CHEMICAL FORMULA: HNO₃

Product Code: 372800-90000
F.W.: 63.01
CAS No: 7697-37-2
Density: 1.4200

ITEM	SPECIFICATIONS
Appearance	Clear, Colorless Liquid
Assay (HNO ₃)	69.0 - 70.0%
Color (APHA)	10 max.
Chloride (Cl)	50 ppb max.
Phosphate (PO ₄)	50 ppb max.
Sulfate (SO ₄)	100 ppb max.
Aluminum (Al)	1.0 ppb max.
Antimony (Sb)	1.0 ppb max.
Arsenic (As)	1.0 ppb max.
Barium (Ba)	1.0 ppb max.
Beryllium (Be)	1.0 ppb max.
Bismuth (Bi)	1.0 ppb max.
Boron (B)	3.0 ppb max.
Cadmium (Cd)	1.0 ppb max.
Calcium (Ca)	3.0 ppb max.
Chromium (Cr)	3.0 ppb max.
Cobalt (Co)	1.0 ppb max.
Copper (Cu)	1.0 ppb max.
Gallium (Ga)	1.0 ppb max.
Germanium (Ge)	1.0 ppb max.
Gold (Au)	1.0 ppb max.
Iron (Fe)	3.0 ppb max.
Lead (Pb)	1.0 ppb max.
Lithium (Li)	1.0 ppb max.
Magnesium (Mg)	1.0 ppb max.
Manganese (Mn)	1.0 ppb max.
Molybdenum (Mo)	1.0 ppb max.
Nickel (Ni)	1.0 ppb max.
Niobium (Nb)	1.0 ppb max.
Potassium (K)	1.0 ppb max.
Silver (Ag)	1.0 ppb max.
Sodium (Na)	1.0 ppb max.
Strontium (Sr)	1.0 ppb max.
Tantalum (Ta)	1.0 ppb max.
Thallium (Tl)	1.0 ppb max.
Tin (Sn)	1.0 ppb max.
Titanium (Ti)	1.0 ppb max.
Tungsten (W)	1.0 ppb max.
Vanadium (V)	1.0 ppb max.
Zinc (Zn)	3.0 ppb max.



COLUMBUS CHEMICAL INDUSTRIES

Product Specifications

PRODUCT NAME: Nitric Acid
Krystal Pure Grade 2

CHEMICAL FORMULA: HNO₃

Product Code: 372800-90000
F.W.: 63.01
CAS No: 7697-37-2
Density: 1.4200

ITEM	SPECIFICATIONS
Zirconium (Zr)	1.0 ppb max.
Particles @ 1.0 um (at point of fill)	10 particles/mL max.
Particles @ 0.5 um (at point of fill)	500 particles/mL max.
Particles @ 0.2 um (at point of fill)	500 particles/mL max.
Manufacture Date	Record
Expiration date	2 years from man. date

Remarks:

The above are the specifications, ranges and limits set for this product.


Eddy Santiago
Quality Assurance Manager

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.

Document Print Date:
2/6/2020



CHEMICAL PROCESSORS AND PACKAGERS OF ELECTRONIC GRADE HIGH PURITY
ACIDS / BLENDS / REAGENTS / SOLUTIONS

N4335 TEMKIN RD * COLUMBUS, WISCONSIN * 53925 * PH: (920) 623-2140 * FAX: (920) 623-2577
4034 W. WASHINGTON ST * PHOENIX, ARIZONA * 85009 * PH: (602) 272-2500 * FAX: (602) 272-2543

