

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Nitric acid - ACS reagent, 70%

Product Number: **438073**
CAS Number: 7697-37-2



Formula: HNO_3
Formula Weight: 63.01 g/mol

TEST	Specification
Appearance (Clarity)	Clear
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Free From Suspended Matter or Sediment	
Purity (Titration by NaOH)	68.0 - 70.0 %
Residue on Ignition	≤ 5 ppm
Color Test	≤ 10 APHA
Arsenic (As)	≤ 0.01 ppm
Chloride (CL)	≤ 0.5 ppm
Iron (Fe)	≤ 0.2 ppm
Heavy Metals (as Pb)	≤ 0.2 ppm
(as Pb)	
Sulfate	≤ 1 ppm
Meets ACS Requirements	Current ACS Specification
10th Edition	
Note	Note
Material May Darken in Storage due to Photochemical Reactions	

Specification: PRD.0.ZQ5.10000011546

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.