

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Nitric acid - ACS reagent, ≥90.0%

**Product Number:** 695041  
**CAS Number:** 7697-37-2  
**MDL:** MFCD00011349  
**Formula:** HNO<sub>3</sub>  
**Formula Weight:** 63.01 g/mol



TEST	Specification
Appearance (Color)	Colorless to Yellow
Appearance (Form)	Liquid
Purity (Titration by NaOH)	≥ 90.0 %
Residue on ignition (Ash)	≤ 0.002 %
Dilution Test	Pass
Arsenic (As)	≤ 0.3 ppm
Chloride (CL)	≤ 0.7 ppm
Assay	≤ 0.1 %
Dissolved Oxides as N <sub>2</sub> O <sub>3</sub>	
Iron (Fe)	≤ 2 ppm
Heavy Metals (as Lead)	≤ 5 ppm
Sulfate	≤ 5 ppm
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000014997

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](http://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.