

Certificate of Analysis

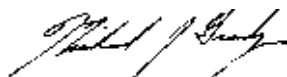
Product Name:

Nitric acid – ACS reagent, 70%

Product Number: 438073
Batch Number: SHBM5508
Brand: SIGALD
CAS Number: 7697-37-2
MDL Number: MFCD00011349
Formula: HNO₃
Quality Release Date: 21 AUG 2020

HNO₃

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Pass	Pass
Free From Suspended Matter or Sediment		
Color Test	≤ 10 APHA	< 1 APHA
Purity (Titration by NaOH)	68.0 - 70.0 %	69.5 %
Residue on Ignition (ppm)	≤ 5 ppm	< 1 ppm
Arsenic (As)	≤ 0.01 ppm	< 0.01 ppm
Chloride (Cl)	≤ 0.5 ppm	< 0.5 ppm
Iron (Fe)	≤ 0.2 ppm	< 0.2 ppm
Heavy Metals (as Pb)	≤ 0.2 ppm	< 0.2 ppm
Sulfate	≤ 1 ppm	< 1 ppm
Meets ACS Requirements	Current ACS Specification	Conforms
Note	Note	
Material May Darken in Storage due to Photochemical Reactions		



Michael Grady, Manager
 Quality Control
 Sheboygan Falls, WI US

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.

