

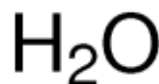
3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
Water - for UHPLC, suitable for mass spectrometry (MS)

Product Number: **900682**
CAS Number: 7732-18-5



Formula: H₂O
Formula Weight: 18.02 g/mol

TEST	Specification
Appearance (Clarity)	Clear
Appearance (Color)	Colorless
Appearance (Form)	Liquid
UV Absorbance 230nm	≤ 0.003
UV Absorbance 210nm	≤ 0.020
Residue on Evaporation	≤ 0.0001 %
Fluorescence 254nm as Quinine	≤ 1 ppb
Fluorescence 365nm as Quinine	≤ 1 ppb
HPLC Absorbance 254 nm	≤ 0.9 mAU
HPLC Absorbance 210 nm	≤ 2 mAU
LCMS	Suitable
Suitability Confirmed	
Chloride by Ion Chromatography	≤ 0.01 ppm
Fluoride by Ion Chromatography	≤ 0.01 ppm
NO ₃ by Ion Chromatography	≤ 0.1 ppm
SO ₄ by Ion Chromatography	≤ 0.1 ppm
Trace Metal Analysis	Complete
Aluminum	≤ 20 ppb
Cadmium	≤ 20 ppb
Calcium	≤ 20 ppb
Chromium	≤ 15 ppb

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.



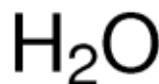
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TEST	Specification
Cobalt	≤ 15 ppb
Copper	≤ 10 ppb
Iron	≤ 20 ppb
Magnesium	≤ 20 ppb
Manganese	≤ 20 ppb
Nickel	≤ 20 ppb
Potassium	≤ 20 ppb
Silver	≤ 20 ppb
Sodium	≤ 50 ppb
Tin	≤ 20 ppb
Zinc	≤ 20 ppb
Expiration Date Period	-----
3 years	

Specification: PRD.2.ZQ5.10000079410

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