

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-04-19 14:35:25  
Date of Next Testing: 2027-04-19 14:35:25  
Product Name: **Water**  
CAS Number: 7732-18-5  
Specifications & Purity: for chromatography (LC-MS Grade) , ChromaClear™  
Lot #: D2415076  
SKU #: **W433894**  
**Analysis:** **348364**  
Storage Temperature: Room temperature

| Parameter                                  | Limit Values     | Result           |
|--------------------------------------------|------------------|------------------|
| Aluminium(Al)                              | 0-10 (ppb)       | 2.40000 ppb      |
| Calcium(Ca)                                | 0-100 (ppb)      | 42.00000 ppb     |
| Iron(Fe)                                   | 0-5 (ppb)        | 1.80000 ppb      |
| Potassium(K)                               | 0-10 (ppb)       | 2.60000 ppb      |
| Magnesium(Mg)                              | 0-20 (ppb)       | 14.00000 ppb     |
| Sodium(Na)                                 | 0-200 (ppb)      | 43.00000 ppb     |
| Evaporation Residue                        | 0-5 (mg/L)       | 2.80000 mg/L     |
| Fluorescence (quinine) at 254 nm           | 0-1 (ppb)        | 0.76000 ppb      |
| Fluorescence (quinine) at 365 nm           | 0-0.5 (ppb)      | 0.19000 ppb      |
| Transmission 220 nm                        |                  | 0.00340 %        |
| Gradient grade (at 210 nm)                 | 0-5 (mAU)        | 2.40000 mAU      |
| Gradient grade (at 254 nm)                 | 0-0.5 (mAU)      | 0.26000 mAU      |
| Gradient grade (basic absorption (210 nm)) | 0-20 (mAU)       | 15.00000 mAU     |
| Chloride (Cl-)                             | 0-10 (ppb)       | 4.20000 ppb      |
| (NO3)Nitrate                               | 0-10 (ppb)       | 6.80000 ppb      |
| Phosphate(PO4)                             | 0-10 (ppb)       | 3.10000 ppb      |
| Sulfate(SO42-)                             | 0-10 (ppb)       | 2.40000 ppb      |
| Appearance(W433894)                        | Colorless Liquid | Colorless liquid |
| LC-MS for identification                   | Conforms         | Conforms         |

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A handwritten signature in black ink that reads "John Su". The script is fluid and cursive.

John Su  
QA & QC Manager