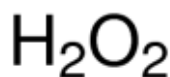


# Certificate of Analysis

Product Name:

Hydrogen peroxide solution - contains inhibitor, 30 wt. % in H<sub>2</sub>O, ACS reagent

**Product Number:** 216763  
**Batch Number:** MKCR4319  
**Brand:** SIGALD  
**MDL Number:** MFCD00011333  
**Formula:** H<sub>2</sub>O<sub>2</sub>  
**Formula Weight:** 34.01 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 16 JUN 2022  
**Recommended Retest Date:** JUN 2024



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Titration with KMnO <sub>4</sub> Wt% H <sub>2</sub> O <sub>2</sub>	29.0 - 32.0 %	31.4 %
Residue on Evaporation	≤ 0.002 %	< 0.001 %
Color Test	≤ 10 APHA	0 APHA
Chloride (Cl)	≤ 2 ppm	< 2 ppm
Iron (Fe)	≤ 0.5 ppm	< 0.5 ppm
Heavy Metals As Lead	≤ 1 ppm	< 1 ppm
Ammonium	≤ 5 ppm	< 5 ppm
Nitrate (ppm)	≤ 2 ppm	< 2 ppm
Phosphate (PO <sub>4</sub> )	≤ 2 ppm	< 2 ppm
Sulfate	≤ 5 ppm	< 5 ppm
Titrateable Acid (meq/g)	≤ 0.0006	< 0.0006
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director  
 Quality Control  
 Milwaukee, 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](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.

