

## Certificate of Analysis

Date of Testing: 2022-10-24 18:58:31  
Date of Next Testing: 2026-10-23 18:58:31  
Product Name: **Sodium Perborate Tetrahydrate**  
CAS Number: 10486-00-7  
Specifications & Purity:  $\geq 97.0\%$ (RT)  
Lot #: J2215164  
SKU #: **S110867**  
**Analysis: 148051**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Potassium(K)	0-100 (ppm)	21.31 ppm
Nickel(Ni)	0-50 (ppm)	0.00 ppm
Calcium(Ca)	0-200 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-3000 (ppm)	1500.00 ppm
Copper(Cu)	0-50 (ppm)	0.00 ppm
Chloride (Cl <sup>-</sup> )	0-500 (ppm)	250.00 ppm
Cobalt(Co)	0-50 (ppm)	0.00 ppm
Zinc(Zn)	0-50 (ppm)	0.00 ppm
Active Oxygen	$\geq 10$ (%)	10.74 %
Purity(Permanganate Titration)	97-100 (%)	99.91 %
Lead(Pb)	0-50 (ppm)	0.00 ppm
Iron(Fe)	0-50 (ppm)	0.00 ppm
Cadmium(Cd)	0-50 (ppm)	0.00 ppm
Appearance (S110867)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager