

## Certificate of Analysis

Date of Testing: 2022-11-21 17:33:29  
Date of Next Testing: 2026-11-20 17:33:29  
Product Name: **CHES**  
CAS Number: 103-47-9  
Specifications & Purity:  $\geq 99.0\%$ (T)  
Lot #: K2216371  
SKU #: **C110898**  
**Analysis:** **158466**  
Storage Temperature: Argon charged

| Parameter                             | Limit Values             | Result                   |
|---------------------------------------|--------------------------|--------------------------|
| Heavy metal (as Pb)                   | 0-5 (ppm)                | 0.94 ppm                 |
| Purity (Titration by NaOH)(anhydrous) | 99-101 (%)               | 99.51%                   |
| A290 UV Absorbance (15%)              | 0-0.05                   | 0.02                     |
| Water by Karl Fischer                 | 0-1 (%)                  | 0.50 %                   |
| Appearance (C110898)                  | white crystalline powder | white crystalline powder |
| Infrared spectrum                     | Conforms to Structure    | Conforms to Structure    |
| Solubility, 15g/85ml water            | Clear colorless          | Clear Colorless          |



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QA & QC Manager