

## Certificate of Analysis

Date of Testing: 2022-11-12 11:17:48  
Date of Next Testing: 2026-11-11 11:17:48  
Product Name: **CAPS**  
CAS Number: 1135-40-6  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: K2204271  
SKU #: **C105209**  
**Analysis:** **143676**  
Storage Temperature: Room temperature

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Carbon by Elemental Analysis   | 46.8-49.1 (%)            | 48.66 %                  |
| Sulfur by Elemental Analysis   | 13.2-14.9 (%)            | 14.19 %                  |
| A290 UV Absorbance (15%)   | 0-0.05                   | 0.02                     |
| Heavy metal (as Pb)  | 0-5 (ppm)                | 2.30 ppm                 |
| Water by Karl Fischer  | 0-1 (%)                  | 0.36 %                   |
| Purity (Titration by NaOH)(anhydrous)                                | 98-100 (%)               | 98.57 %                  |
| Solubility, Colorless, Clear, at 15 g plus 85 ml of H <sub>2</sub> O | pass                     | Pass                     |
| Appearance (C105209)   | white crystalline powder | white crystalline powder |
| Infrared spectrum  | Conforms to Structure    | Conforms to Structure    |



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QA & QC Manager