



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-252558
Lot Number: SAMPLE
Product Name: Cesium hydroxide solution
CAS Number: 21351-79-1
Molecular Formula: CsOH
Molecular Weight: 149.91

| Test | Specification | Result |
|----------------------|---|--|
| Appearance (Color) | Colorless to light yellow liquid | Colorless liquid |
| Atomic Absorption | ≤ 1000 ppm | 156.9 ppm |
| Purity | | 99.90% (based on trace metals analysis by ICP and AA combined) |
| Purity (Titration) | 47.0% - 53.0% CsOH (by HCL) | 50.8% |
| Purity (Titration) | $\leq 2.5\%$ Cs ₂ CO ₃ (by HCL) | 2.4% |
| Trace metal analysis | ≤ 1000 ppm | 156.9 ppm |
| Color (APHA) | ≤ 300 | < 5 |
| Barium | | 3.3 ppm |
| Calcium | | 0.2 ppm |
| Lithium | | 0.2 ppm |
| Potassium | | 69.5 ppm |
| Rubidium | | 52.4 ppm |
| Sodium | | 31.4 ppm |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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