



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-229306
Lot Number: SAMPLE
Product Name: Sodium iodide dihydrate
CAS Number: 13517-06-1
Molecular Formula: $\text{NaI} \cdot 2\text{H}_2\text{O}$
Molecular Weight: 185.92
Native Source: Synthetic

| Test | Specification | Result |
|----------------------------------|------------------------------|-------------------------|
| Appearance | White adhering fine crystals | White adhering crystals |
| Purity (Argentometric Titration) | $\geq 99.0\%$ | 99.3% |
| Insolubility in Water | $\leq 0.005\%$ | 0.002% |
| pH | 6 - 9 (5% aq. soln.) | 6.6 (5% aq. soln.) |
| Arsenic | ≤ 1 ppm | Complies |
| Barium | ≤ 20 ppm | Complies |
| Calcium | ≤ 50 ppm | 9 ppm |
| Chloride | $\leq 0.02\%$ | Complies |
| Copper | ≤ 5 ppm | 0.04 ppm |
| Iodate | ≤ 3 ppm | Complies |
| Iron | ≤ 5 ppm | 0.5 ppm |
| Lead | ≤ 5 ppm | 0.45 ppm |
| Magnesium | ≤ 50 ppm | 3 ppm |
| Nickel | ≤ 5 ppm | 4.5 ppm |
| Nitrogen Content | $\leq 0.002\%$ | Complies |
| Phosphate | ≤ 10 ppm | Complies |
| Potassium | ≤ 100 ppm | 35 ppm |
| Sulfate | ≤ 50 ppm | Complies |

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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