

## Certificate of Analysis

### Compound Information

|                     |                         |
|---------------------|-------------------------|
| Product Name:       | Potassium carbonate     |
| Cat. No.:           | 1087036                 |
| CAS No.:            | 584-08-7                |
| Molecular Formula:  | $\text{K}_2\text{CO}_3$ |
| Molecular Weight:   | 138.21                  |
| Chemical Structure: |                         |



### Batch Information

|              |                           |
|--------------|---------------------------|
| Batch No.:   | Lg1016313692              |
| Storage:     | Store at room temperature |
| Test Date:   | 2023-10-16                |
| Retest Date: | 2028-10-15                |
| Origin:      | Shanghai, China           |

### QC Summary

|   | Specification   | Result         |
|---|---|----------------|
| Appearance:                                       | White to off-white (Solid)  | White (Powder) |
| Purity, $\omega/\%$ :                             | $\geq 99.0$   | 99.01          |
| Chloride(Cl), $\omega/\%$ :                       | $\leq 0.02$   | 0.01           |
| Sulfur Compound(as $\text{SO}_4$ ), $\omega/\%$ : | $\leq 0.02$   | 0.01           |
| Iron(Fe), $\omega/\%$ :                           | $\leq 0.001$  | 0.0004         |
| Water Insoluble Substance, $\omega/\%$ :          | $\leq 0.02$   | 0.002          |
| Loss On Ignition, $\omega/\%$ :                   | $\leq 0.60$   | 0.041          |
| Conclusion:                                       | The product has been tested and complies with the given specifications. |                |

Caution: Research use only and are not intended for human use.

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