



Certificate of Analysis

Sodium Malonate Dibasic

Catalog Number: SM1009
Lot Number: 1110401
CAS Number: 141-95-7
Synonym: Malonic Acid Disodium Salt, Propanedioic Acid Disodium Salt
Molecular Formula: $\text{CH}_2(\text{COONa})_2$
Molecular Weight: 148.03
Storage: 15°C – 30°C
Date of Manufacture: July 24, 2014
Retest Date: July 23, 2016

| Test | Specification | Result |
|----------------|--------------------------|------------------|
| Appearance | White crystalline powder | Conforms |
| Assay | $\geq 98.5\%$ | 99.33% |
| Moisture (LOD) | $\leq 1.0\%$ | 0.39% |
| Chloride | $\leq 0.05\%$ | $< 0.05\%$ |
| Sulfate | $\leq 0.02\%$ | $< 0.02\%$ |
| Heavy Metals | $\leq 20\text{ppm}$ | $< 20\text{ppm}$ |

Approved by:

Date: November 10, 2014

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