

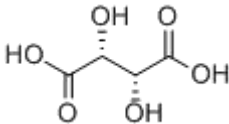


杭州泽尔瑞化学有限公司

HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of Analysis

COA No:ZER11912161

|                           |   |
|---------------------------|---|
| <b>Product Name</b>       | L-Tartaric acid   |
| <b>CAS No</b>             | 87-69-4   |
| <b>Molecular Formula</b>  |  |
| <b>Molecular Weight</b>   | 150.09  |
| <b>Batch No</b>           | ZERLTA20191109  |
| <b>Manufacturing date</b> | 20191109  |

| Index Name   | Specification                       | Result   |
|--|-------------------------------------|----------|
| Appearance   | White translucent crystal           | Conforms |
| Smell  | Sour taste                          | Conforms |
| Content  | 99.7~100.5%                         | 99.8%    |
| Specific rotation[ $\alpha$ ] <sup>25</sup> <sub>D</sub> | +12.0° ~ +13.0°                     | 12.4°    |
| Loss on drying   | 0.5% max                            | 0.1%     |
| Ignition residue   | 0.05% max                           | 0.01%    |
| Pb   | 2 mg/Kg max                         | Conforms |
| As   | 2 mg/Kg max                         | Conforms |
| Oxalate  | Past text                           | Conforms |
| Sulphate   | Past text                           | Conforms |
| Conclusion   | Conforms to the enterprise standard |          |

杭州泽尔瑞化学有限公司  
HANGZHOU ZEERRUI CHEMICAL CO.,LTD.

CHIEF:

CHECK:



INSPECTION:

