



青 岛 润 昌 化 工 有 限 公 司  
QINGDAO SAMIN CHEMICAL CO.,LTD.

## SPECIFICATION

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Product Name          | <b>L-Arginine</b>                                            |
| CAS No                | <b>74-79-3</b>                                               |
| Molecular Formular    | <b>C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub></b> |
| Specification Version | <b>USP38</b>                                                 |
| Shelf Life            | <b>24months</b>                                              |
| Package               | <b>25kg / drum</b>                                           |

### ITEM

Appearance  
Identification  
Specific rotation  
Loss on drying  
Residue on ignition  
Chloride  
Sulfate  
Iron  
Heavy metals  
Chromatographic purity  
Organic volatile impurities  
Assay

### SPECIFICATION

white or almost white crystalline powder or colorless crystals  
As per USP38  
+26.3°~+27.7°  
≤0.5%  
≤0.3%  
≤0.05%  
≤0.03%  
≤0.003%  
≤0.0015%  
As per USP38  
as per USP38  
98.5%~101.5%

### Microbiology Control

|                       |             |
|-----------------------|-------------|
| Total plate count     | ≤ 1000cfu/g |
| Yeasts & Molds        | ≤ 100cfu/g  |
| E.coli                | Negative    |
| Coliforms             | Negative    |
| Salmonella            | Negative    |
| Staphylococcus aureus | Negative    |

**Storage:** Store in cool and dry place, in a well-close container, keep away from strong light and heat.

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