

# 宁波巍力生物科技有限公司

NINGBO WAYLEAD BIOTECHNOLOGY CO.,LTD.

## TECHNICAL DATA SHEET

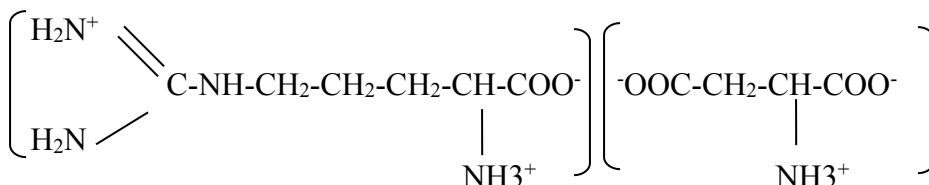
Products: L-Arginine- L-Aspartate

CAS# : 7675-83-4

Molecular formula:  $C_{10}H_{21}N_5O_6$

Molecular weight: 307.31g/mol

Structure:



### SPECIFICATION:

|                                          |                                    |           |
|------------------------------------------|------------------------------------|-----------|
| Infrared Spectrum                        | Compares to standard               | Qualified |
| Appearance                               | White crystalline powder           | Qualified |
| Specific rotation $[\alpha]_D^{20}$      | +25.5°~+27.5° (8g/100ml, 6N HCl)   | +26.1°    |
| State of solution                        | Clear and colorless NLT 98.0%      | 98.5 %    |
| Chloride(Cl)                             | ≤0.05%                             | Qualified |
| Ammonium(NH <sub>4</sub> )               | ≤0.02%                             | Qualified |
| Sulfate(SO <sub>4</sub> )                | ≤0.03%                             | Qualified |
| Iron(Fe)                                 | ≤30PPm                             | Qualified |
| Heavy metals(Pb)                         | ≤10PPm                             | Qualified |
| Arsenic(As <sub>2</sub> O <sub>3</sub> ) | ≤1PPm                              | Qualified |
| Other amino acids                        | Chromatographically not detectable | Qualified |
| Loss on drying                           | ≤3.0%                              | 0.41%     |
| Residue on ignition                      | ≤0.20%                             | 0.12 %    |
| Assay                                    | 98.5~101.0%                        | 99.3 %    |
| PH                                       | 5.5-7.0                            | 5.8       |

Physical description:

Appearance: White crystals or crystalline powder ;characteristic taste.

Solubility (H<sub>2</sub>O , g/100g): about 93(20°).

Shelf life: two years

Function: It is normally used for food additive.

### Packing and storage:

25kg paper drums/bags , with 2 pieces polyethylene intermediate layer. It should be stored in dry, normal room temperature condition and no direct sunshine.

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