

# SPECIFICATION

## L-Carnosine Standard

for Amino Acid Analysis

| REQUIREMENT                                               | SPECIFICATION                      |
|-----------------------------------------------------------|------------------------------------|
| Appearance                                                | White, crystalline powder ~ powder |
| Solubility in water                                       | to pass test                       |
| Specific rotation [ $\alpha$ ]D20(c=2,H2O) (after drying) | +19.8~+22.2°                       |
| Loss on drying at 105°C                                   | max.1.0%                           |
| Suitability for amino acids determination                 | under investigation                |
| Assay (volumetric analysis)                               | min.98.0%                          |
| Assay (subtracting method)                                | under investigation                |