

Code No.03-0677

## SPECIFICATION

## L-Citrulline

Wako Special Grade

| REQUIREMENT                                  | SPECIFICATION                      |
|----------------------------------------------|------------------------------------|
| Appearance                                   | White, crystalline powder ~ powder |
| Solubility in hydrochloric acid              | to pass test                       |
| Specific rotation $[\alpha]_{D20}(c=8, HCl)$ | +24.5~+26.5°                       |
| Loss on drying at 105°C                      | max.0.4%                           |
| Chloride (Cl)                                | max.0.02%                          |
| Sulfate (SO <sub>4</sub> )                   | max.0.03%                          |
| Lead (Pb)                                    | max.0.001%                         |
| Iron (Fe)                                    | max.0.003%                         |
| Ammonium (NH <sub>4</sub> )                  | max.0.02%                          |
| Arsenic (As)                                 | max.1 ppm                          |
| Thin layer chromatography test               | to pass test                       |
| Assay                                        | min.97.0%                          |