

SPECIFICATION

Lactic Acid

Japanese Food Additives

| REQUIREMENT | SPECIFICATION |
|--|---|
| Description | White to light yellow solid or colorless to light yellow, clear liquid / odorless or little no unpleasant odor / acid taste |
| Identification | to pass test |
| Purity | - |
| (1) Clarity of solution | to pass test |
| (2) Citric acid, oxalic acid, tartaric acid, and phosphoric acid | to pass test |
| (3) Sulfate | not more than 0.010% as SO ₄ for 80% lactic acid |
| (4) Cyanide | to pass test |
| (5) Lead | not more than 2 μg/g as Pb for 80% lactic acid |
| (6) Iron | not more than 10 μg/g as Fe for 80% lactic acid |
| (7) Arsenic | not more than 3 μg/g as As for 80% lactic acid |
| (8) Volatile fatty acids | to pass test |
| (9) Methanol | not more than 0.20% (v/w) as CH ₃ OH for 80% lactic acid |
| (10) Readily carbonizable substances | to pass test |
| Residue on ignition | not more than 0.1% |
| * Assay | 85.5~94.5% |

Japan's Specifications and Standards for Food Additives
(*:95~105% of the labeled content)