

# Specification

# KEMAUS

Product Name: Boric Acid AR/ACS  
Catalogue No.: KA101  
Chemical Formula:  $H_3BO_3$   
Molecular Weight: 61.83  
CAS No.: 10043-35-3

## SPECIFICATION

|                                                   |                           |
|---------------------------------------------------|---------------------------|
| Assay (acidimetr.)                                | 99.8% minimum             |
| Description                                       | White crystalline powder. |
| Residue on ignition (as $SO_4$ ) ( $CH_3OH+HCl$ ) | 0.05% maximum             |
| Heavy Metals (as Pb)                              | 0.0005% maximum           |
| Insoluble matter in $CH_3OH$                      | 0.005% maximum            |
| Insoluble matter in $H_2O$                        | 0.005% maximum            |
| Chloride (Cl)                                     | 0.0005% maximum           |
| Phosphate ( $PO_4$ )                              | 0.0005% maximum           |
| Sulphate ( $SO_4$ )                               | 0.002% maximum            |
| Aluminium (Al)                                    | 0.0005% maximum           |
| Arsenic (As)                                      | 0.00005% maximum          |
| Barium (Ba)                                       | 0.0005% maximum           |
| Calcium (Ca)                                      | 0.002% maximum            |
| Cadmium (Cd)                                      | 0.0005% maximum           |
| Cobalt (Co)                                       | 0.0005% maximum           |
| Chromium (Cr)                                     | 0.0005% maximum           |
| Copper (Cu)                                       | 0.0005% maximum           |
| Iron (Fe)                                         | 0.0001% maximum           |
| Potassium (K)                                     | 0.005% maximum            |
| Magnesium (Mg)                                    | 0.0005% maximum           |
| Manganese (Mn)                                    | 0.0005% maximum           |
| Molybdenum (Mo)                                   | 0.0005% maximum           |
| Sodium (Na)                                       | 0.002% maximum            |
| Nickel (Ni)                                       | 0.0005% maximum           |
| Lead (Pb)                                         | 0.0005% maximum           |