

# Product Specification

Name : Perchloric acid (60%)

Another name :

Grade : First Grade

Volume : 15kg

Specification number : Ka-102

Issue number : BGI08

Code number : 16000899

HAYASHI PURE CHEMICAL IND.,LTD.

3-2-12 UCHIHIRANOMACHI,CHUO-KU, OSAKA 540-0037, JAPAN

| No. | Item                          | (unit) | Specification | Test Procedure               |
|-----|-------------------------------|--------|---------------|------------------------------|
| 1   | Appearance (Form)             | -      | Liquid        | Applicable to JIS K8223-2022 |
| 2   | Appearance (Hue)              | -      | Colorless     |                              |
| 3   | Assay (HClO <sub>4</sub> )    | %      | 60.0 ~ 62.0   |                              |
| 4   | Residue on ignition (sulfate) | %      | max. 0.02     |                              |
| 5   | Chloride (Cl)                 | %      | max. 0.003    |                              |
| 6   | Sulfate (SO <sub>4</sub> )    | %      | max. 0.005    |                              |
| 7   | Nitrogen compounds (as N)     | %      | max. 0.01     |                              |
| 8   | Silver (Ag)                   | ppm    | max. 5        |                              |
| 9   | Copper (Cu)                   | ppm    | max. 2        |                              |
| 10  | Iron (Fe)                     | ppm    | max. 5        |                              |
| 11  | Manganese (Mn)                | ppm    | max. 3        |                              |
| 12  | Lead (Pb)                     | ppm    | max. 2        |                              |
| 13  |                               |        |               |                              |
| 14  |                               |        |               |                              |
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| 40  |                               |        |               |                              |

remark