

# Product Specification

Standard number : Ta-178-04  
Issue number : CBH15  
Code number : 44029865

Name : Ultrapure water

(Other name : )  
Grade : For Fluorescence analysis • HPLC  
Volume : 5 0 0 mL

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

HAYASHI PURE CHEMICAL IND.,LTD.

| No. | Item                                   | (unit) | Specification         | Test Procedure                            |  |
|-----|--|--------|-----------------------|---|--|
| 1   | Appearance (Form)                      | -      | Liquid                | Visual method                             |  |
| 2   | (Hue)                                  | -      | Colorless transparent | Visual method                             |  |
| 3   | Density (20°C)                         | g/mL   | 0. 9 9 7 ~ 0. 9 9 9   | Density and specific gravity meter method |  |
| 4   | Refractive index $n_D^{20}$            | -      | 1. 3 3 2 ~ 1. 3 3 4   | Refractometer method                      |  |
| 5   | Fluorescence test                      | -      | to pass test          | Fluorescence spectrometry                 |  |
| 6   | Absorbance<br>(d:1cm, reference:water) | -      | 2 1 0 nm              | max. 0. 0 3                               | Ultraviolet absorption spectrophotometry |
|     |  |        | 2 5 4 nm              | max. 0. 0 2                               |  |
|     |  |        | 2 8 0 ~ 4 0 0 nm      | max. 0. 0 1                               |  |
|     |  |        |                       |   |  |
| 7   | Electrical conductivity (25°C)*        | μ S/cm | max. 5                | Conductometry                             |  |
| 8   |  |        |                       |   |  |
| 9   |  |        |                       |   |  |
| 10  |  |        |                       |   |  |
| 11  |  |        |                       |   |  |
| 12  |  |        |                       |   |  |
| 13  |  |        |                       |   |  |
| 14  |  |        |                       |   |  |
| 15  |  |        |                       |   |  |
| 16  |  |        |                       |   |  |
| 17  |  |        |                       |   |  |
| 18  |  |        |                       |   |  |
| 19  |  |        |                       |   |  |
| 20  |  |        |                       |   |  |
| 21  |  |        |                       |   |  |
| 22  |  |        |                       |   |  |
| 23  |  |        |                       |   |  |
| 24  |  |        |                       |   |  |
| 25  |  |        |                       |   |  |
| 26  |  |        |                       |   |  |
| 27  |  |        |                       |   |  |
| 28  |  |        |                       |   |  |
| 29  |  |        |                       |   |  |
| 30  |  |        |                       |   |  |
| 31  |  |        |                       |   |  |
| 32  |  |        |                       |   |  |
| 33  |  |        |                       |   |  |
| 34  |  |        |                       |   |  |
| 35  |  |        |                       |   |  |

remark \* This is guaranteed specification before filling the container.