



## Ethanol, a contributor to the development of Japan's industry and agriculture

|                           |  |                       |            |
|---------------------------|--|-----------------------|------------|
| Registration No.          | Number 00261   |                       |            |
| Registration Date         | September 10, 2019   | Registration Category | Category 2 |
| Name<br>(Model, etc.)     | Ethanol Distillation Column Tray   |                       |            |
| Location                  | Iwata-shi, Shizuoka  |                       |            |
|                           | Japan Alcohol Corporation Iwata Factory  |                       |            |
| Owner<br>(Custodian)      | Japan Alcohol Corporation Iwata Factory  |                       |            |
| Manufacturer<br>(Company) | State-operated alcohol factory   |                       |            |
| Year Manufactured         | 1939   |                       |            |
| Year first appeared       |  |                       |            |
| Reason For Selection      | <p>Arukuru sembaiho ('the Act Establishing a State Monopoly on Ethanol') and Kihatsuyu oyobi arukoru konyoho ('the Act on Volatile Oils and Ethanol Blending') were established in 1937 to secure gasoline-alternative fuels and to develop rural areas, and state-operated alcohol production factories were built in many areas. The resources are a tray used in the ethanol slurry distillation column, an apparatus for crude distillation of fermented mash made from ingredients such as sweet potatoes (photo 1) and a tray used in the rectification column for alcohol concentration (photo 2). These two pieces have remained. The shape of the former is designed to prevent clogging by fibers of sweet potato and other ingredients. The increased alcohol production volume became raw ingredients for ethylene, ethylene glycol, polyethylene, and other chemical industrial products. This resource is valuable in exhibiting the history of industry in Japan.</p> |                       |            |
| Registration Standard     | 1-A (Show an important aspect or stage of the development of science and technology.)  |                       |            |
| Open/Closed to Public     | Closed to Public   |                       |            |
| Photo                     | <p>(Photo 1)</p>  <p>(Photo 2)</p>    |                       |            |
| Other useful information  |  |                       |            |