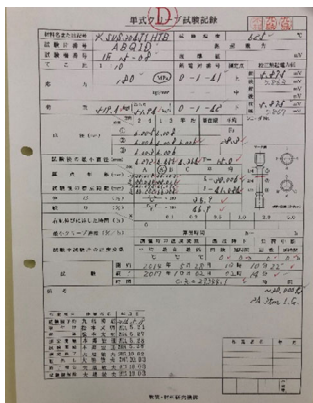


Long-term creep test data and test records ensuring test quality

Registration No.	Number 00381		
Registration Date	September 10, 2024	Registration Category	Category 2

Name (Model, etc.)	Creep data sheets, test records and creep ruptured specimens
Location	Tsukuba-shi, Ibaraki National Institute for Materials Science
Owner (Custodian)	National Institute for Materials Science
Manufacturer (Company)	National Research Institute for Metals and National Institute for Materials Science
Year Manufactured	1966～Current
Year first appeared	1966
Reason For Selection	These materials are an enormous records collection containing the world's longest creep test data, the test specimens, and the data sheets that were created. Creep data sheets are an ongoing compilation, with new updates, of long-term test data that has been acquired and collected continuously for over 55 years for the creep test, which was conducted in accordance with JIS standards. The acquired data is widely used in the industrial world as fundamental data for design stress setting and material selection in machinery and structures as well as for the determination of material deterioration status and remaining service life evaluation judgments. Registry management is being conducted for the test specimens, along with the data. They are important as foundational materials concerning iron and steel reliability-enhancing technology in Japan.
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.) 1-B (Show a uniquely Japanese scientific or technological development from an international perspective.)

Open/Closed to Public	Closed to Public(Open to Public:Creep data sheets)
Photo	 Creep data sheets  Creep test records  Creep ruptured specimens
Other useful information	