

JIS

JAPANESE INDUSTRIAL STANDARD

**Testing Methods for Solute
Rejection and Water Flux of
Reverse Osmosis Membrane
Element and Module using
Aqueous Solution of
Various Solutes**

JIS K 3805^{—1990}

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Testing Methods for Solute Rejection
and Water Flux of Reverse Osmosis
Membrane Element and Module using
Aqueous Solution of Various Solutes

K 3805-1990

1. Scope

This Japanese Industrial Standard specifies testing methods for solute rejection and water flux of reverse osmosis membrane element and module using aqueous solution of three types of sodium chloride, magnesium sulfate and isopropanol (isopropyl alcohol) (hereafter referred to as the "aqueous solution").

Remark: In this Standard the units and numerical values shown in { } are in accordance with the traditional units and are Standard values.

Applicable Standards:

JIS B 7413-Etched-Stem Mercury-in-Glass Thermometer (Partial Immersion Type)

JIS B 7505-Bourdon Tube Pressure Gauges

JIS B 7551-Variable Area Flowmeters

JIS G 4304-Hot Rolled Stainless Steel Plates and Sheets

JIS G 4305-Cold Rolled Stainless Steel Plates and Sheets

JIS K 0101-Testing Method for Industrial Water

JIS K 0114-General Rules for Analytical Method in Gas Chromatography

JIS K 0552-Testing Methods for Electric Conductivity of Highly Purified Water

JIS K 0805-Continuous Total Organic Carbon Analyzer

JIS K 1522-Isopropyl Alcohol (Isopropanol)

JIS K 3802-Technical Terms for Membranes and Membrane Processes

JIS K 8150-Sodium Chloride

JIS K 8995-Magnesium Sulfate

JIS Z 8802-Methods for Determination of pH of Aqueous Solutions