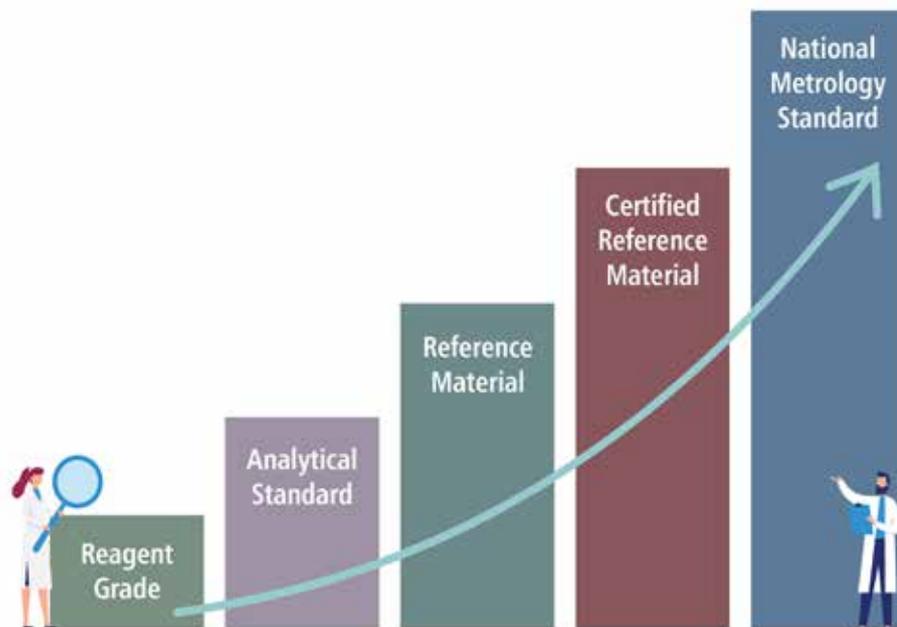


Certified Reference Materials and Reference Standards

FUJIFILM Wako Pure Chemicals produces a wide range of reference standards for analytical chemistry applications. Standards are materials and solutions with known qualities and compositions – these materials are ideal for calibration and standardisation of chemical analyses.

Standards by Wako are available for a variety of applications, including the analysis of food, water, pesticides and household goods. Furthermore, many standards are designed for use with High Performance Liquid Chromatography (HPLC).



Certified Reference Materials (CRM)

FUJIFILM Wako Pure Chemicals is a distributor of a variety of **Certified Reference Materials (CRMs)**. These CRMs are certified, traceable and accredited standards under programs including the Japan Calibration Service System (JCSS), the Accreditation System of National Institute of Technology and Evaluation (ASNITE), and the National Metrology Institute of Japan (NMIJ).

Amino Acid Mixture Standard

FUJIFILM Wako provides amino acid mixture standard solutions as part of the CRM range, assuring metrological traceability in amino acid analysis. (ASNITE), and the National Metrology Institute of Japan (NMIJ).

For Research Use Only

Amino Acid Mixture Standard Solutions

Cat. No.	Description	Pack Size
015-27891	Amino Acid Mixture Standards Solution, Type AN	1ml x 5A
011-27871	Amino Acid Mixture Standards Solution, Type B	1ml x 5A
018-27881	Amino Acid Mixture Standards Solution, Type H	1ml x 5A
017-27851	APDSTAGR Wako Amino Acids Mixture Standard Solution No.1	1ml x 5A
014-27861	APDSTAGR Wako Amino Acids Mixture Standard Solution No.2	2ml x 5A

Nuclear Magnetic Resonance (NMR)

Quantitative Nuclear Magnetic Resonance (qNMR) determines the concentration of chemical compounds by measuring their signal intensity on an NMR spectrum. FUJIFILM Wako provides a wide range of qNMR calibration standards, including CRMs with traceable purity values and a variety of non-CRM standards.



Nuclear Magnetic Resonance Standards

Cat. No.	Description	Pack Size
040-31673	DSS-d6 Reference Material [CRM]	4 x 50mg
048-33271	Dimethyl Sulfone Reference Material [CRM]	100mg
135-17951	Maleic Acid Reference Material [CRM]	100mg
041-33641	DSS-d6 Standard Solution	1mL x 5A
028-19011	Benzoic Acid Standard	500mg
046-34171	Dimethyl Terephthalate Standard	500mg
166-27911	Potassium Hydrogen Phthalate Standard	500mg
207-20411	1,3,5-Trimethoxybenzene Standard	500mg
204-20421	Triphenylmethane Standard	500mg
020-19211	1,4-BTMSB-d4 Standard Solution	5 x 1mL

Water Quality Standards

Cat. No.	Description	Pack Size
077-01911	Geosmin Standard	20mg
013-20131	Anionic Surfactants Mixture Reference Standard Solution	5 x 1 mL
195-13111	Sodium Decylbenzenesulfonate Standard Solution	5 x 1 mL
192-13121	Sodium Undecylbenzenesulfonate Standard Solution	5 x 1 mL
199-13131	Sodium Dodecylbenzenesulfonate Standard Solution	5 x 1 mL
196-13141	Sodium Tridecylbenzenesulfonate Standard Solution	5 x 1 mL
132-07071	2-Methylisoborneol MIB Reference Standard	20mg
013-15501	Arsenic Standard Solution (As 100)	100mL
030-16211	Cadmium Standard Solution (Cd 100)	100mL
030-16191	Chromium Standard Solution (Cr 1000)	100mL
192-13861	Selenium Standard Solution (Se 1000)	100mL

Water Quality Analysis Standards

Standard solutions are highly important for the analysis of water quality, ensuring drinking water meets environmental quality standards for water pollution by calibrating against known pollutants. This range of standards includes:

- Standards for anionic surfactant analysis
- Standards for odour-causing substances
- Elemental standards



Food Analysis Standards

Maintaining the safety and nutrition of food is crucial for public health. As a result, analysis of food products and their functional ingredients is extremely important for substantiating food quality claims and is supported by a wide variety of food analysis standards. This includes:

- Standards for trans-fatty acid analysis
- Standards for phthalates testing
- Standards for sugar/sweetener analysis



NMR Standards (from the CRM range)

Cat. No.	Description	Pack Size
189-02581	Rebaudioside A Standard	100mg
188-02551	Rebaudioside B Standard	25mg
181-02541	Rebaudioside C Standard	25mg
187-02521	Rubusoside Standard	25mg
199-15691	Steviolbioside Standard	25mg
199-16291	Stevioside Standard	100mg
205-18501	Triheneicosanoin Standard	100mg
203-18801	Triheptadecanoin Standard	100mg
200-18791	Tritridecanoin Standard	100mg
203-18781	Triundecanoin Standard	100mg

For Research
Use Only

Environmental and Pesticide Standards

Testing for environmental contamination is important for managing pollutants and maintaining public health. Included within this range:

- Standards for pesticide residue analysis
- Standards for phthalates testing
- Standards for endocrine disruptor testing



Environmental and Pesticide Standards

Cat. No.	Description	Pack Size
042-28801	Diisononyl Phthalate Standard	1mg
048-31691	Diisodecyl Phthalate Standard	1mg
034-08301	Captan standard	200mg
043-26251	Dymron Standard	200mg
262-01461	Zeranol Standard	200mg
048-26561	1,3-Diphenylpropane Standard	500mg
206-14371	2,4,6-Triphenyl-1-hexene Styrene Trimer A Standard	10mg
203-14381	1,3,5-Triphenylcyclohexane Mixed Styrene Trimer Standard	10mg

Household Goods Analysis Standards

Cat. No.	Description	Pack Size
042-28801	Diisononyl Phthalate Standard	1mg
048-31691	Diisodecyl Phthalate Standard	1mg
049-32081	DTTB Standard	100mg
027-15321	Barium Standard Solution (Ba 1000)	100mL
010-15491	Antimony Standard Solution (Sb 1000)	100mL
264-01421	Zinc Standard Solution (Zn 1000)	100mL

Household Goods Analysis Standards

Analysis of household goods is important for preventing ingestion of chemical substances contained within everyday items. Included within this range:

- Standards for tableware, cookware and packaging materials
- Standards for analysis of toys
- Standards for phthalates testing
- Elemental standards

For Research
Use Only



To find out more: www.alphalabs/reference-standards