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# Standards and Conformance

## The value to society



# Standards and Conformance

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## ⊙ Measurement standards

⊙ Physical

⊙ Legal

## ⊙ Accreditation

⊙ Documentary standards

# Value

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① Leaky Homes – cost Bn \$ 11 (or 23?)

① Building Sector – contributes Bn \$ 6

① Cost around twice the annual value

# Measurement

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① Accuracy matters

① But how much?

① Methods matter too

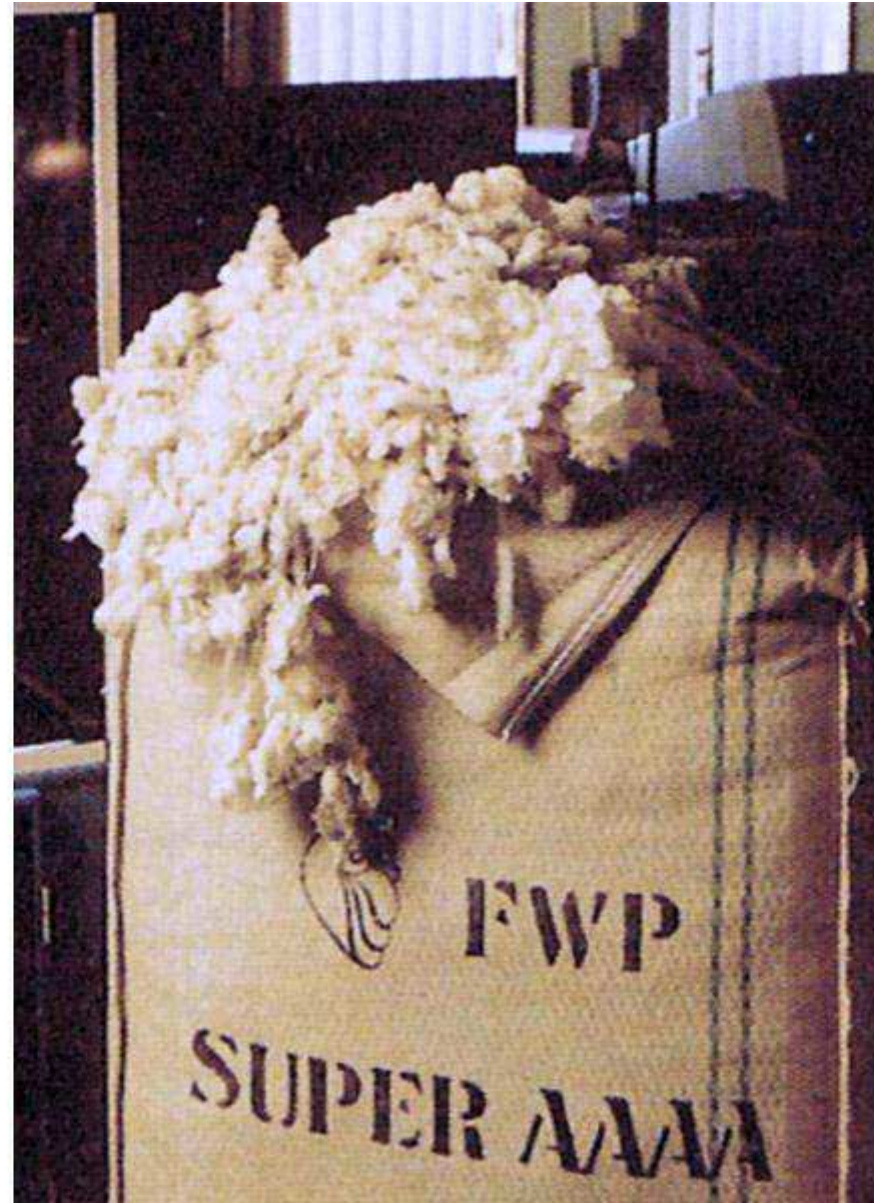
# Value of Measurement

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🎯 What is the difference between 11.9 microns and 12 microns?

🎯 Is it 0.1 micron? Or something else?





# Soy Sauce in Europe

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③ Carcinogen 3-MCPD

③ Level set at 20 micrograms per kilo

③ Value of Soy sauce exports to Europe  
US\$ 120 million

# New Zealand Exports

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① Dairy

① Meat

① Steel

① Aluminium

① Total tested in accredited labs  
– over NZ\$ 20 billion



# Medical Testing

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① Hospital laboratories

① Point of Care testing

① Medical imaging

① Total value of healthcare - \$ 13 billion

# Market Acceptance

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◎ ISO standards

◎ ILAC MRA – now over 65 economies

◎ CIPM MRA

# Annual Value of Each Sector

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① Building - \$ 6 billion

① Health - \$13 billion

① Dairy and meat exports - \$ 16 billion

① Failure of S & C – twice the annual value

A nugget of gold

Or

A beating heart