

Toys and Chemical



สถาบันไฟฟ้าและอิเล็กทรอนิกส์
ELECTRICAL AND ELECTRONICS INSTITUTE

Testing Services

- **Physical and mechanical properties**
Torque test, Tension test, Drop test, Impact test, Compression test, Expanding material, Static strength, Determination of emission sound pressure level and etc.
- **Flammability test**
- **Light resistance test**
- **Chemical resistance test**
Acid resistance, Alkaline resistance
- **Migration of certain elements**

• Antimony (Sb)	1	to	8	ppm.
• Arsenic (As)	0.3	to	10	ppm.
• Barium (Ba)	0.5	to	30	ppm.
• Cadmium (Cd)	0.3	to	10	ppm.
• Chromium (Cr)	0.3	to	8	ppm.
• Lead (Pb)	0.5	to	10	ppm.
• Mercury (Hg)	0.5	to	10	ppm.
• Selenium (Se)	1	to	12	ppm.



Analysis Sample with Inductively Coupled Plasma (ICP)



Preparation Sample



Balance

Products Covered and Standards

- Toys : TIS 685-2540, ISO 8124 : 2000
- Matches : TIS 53-2536
- Rubber nipples for babies' bottles : TIS 969-2533
- Beverage paper cups : TIS 1141-2536
- Babies' dummies : TIS 1025-2539
- Table-tennis tables : TIS 921-2533
- Stamp pads : TIS 1677-2541
- Stamp pads ink : TIS 1678-2541
- Wax crayons : TIS 1149-2536
- etc.

Quality Control in Laboratory

- Control chart of Balance
- Detection Limit of Analysis elements
- Linearity of Testing
- Recovery
- etc.



Tensile Machine



Xenon - Arc

For more information, please send your queries or contact us at the following:

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