



TOYTEST

Round 81 Sample Instructions

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The following instructions contain details which are essential for the proficiency tests being requested in this round. Please ensure these instructions are read and fully understood prior to commencing any analysis or assessment of the proficiency testing samples provided.

Sample	Description	Page
1	Paper exercise - Application of EN71-1:2014+A1:2018	2
7	Paper exercise - Application of ASTM F963-17	3
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Please note that the current version of any standard requested should be applied. Any standards that have been revised or withdrawn must not be used for the proficiency test materials provided.

Recording Results

- All results should be submitted using PORTAL
- Please go to <https://portal.lgcstandards.com/login>
- Login using your Lab ID, username and password.

A PORTAL user guide can be downloaded from the help section.

If you need any help at all please do not hesitate to contact our support team using the details below or your local LGC representative.

Tel: +44(0)161 762 2500

Email: toytest@lgcpt.com



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Sample 1: Paper exercise - Application of EN71-1:2014+A1:2018

Test material details

The sample provided for this round is described as a Mr Potato Head play toy and the packaging originally provided with this toy stated that it was suitable for ages 2+ years.

Assessment details

For each clause listed within PORTAL please specify which of the following statements would be most appropriate:

- “Assessment would be provided“
- “Clause(s) not assessed“

“Assessment would be provided“ refers to any clause that would need to be reviewed as part of the toy’s assessment and where a pass or fail result would need to be reported.

“Clause(s) not assessed“ refers to any clause which does not need to be considered during an assessment of the toy.

Participants are also encouraged to provide additional comments within Portal to explain their chosen responses.

Important Information

All test materials are required to be assessed in the condition that they have originally been provided.

Please note that this is a theoretical exercise and that actual testing must not be performed on the toy provided as this may affect the integrity of the toy.



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Sample 7: Paper exercise - Application of ASTM F963-17

Test material details

The sample provided for this round is described as a Mr Potato Head play toy and the packaging originally provided with this toy stated that it was suitable for ages 2+ years.

Assessment details

For each clause listed within PORTAL please specify which of the following statements would be most appropriate:

- “Assessment would be provided“
- “Clause(s) not assessed“

“Assessment would be provided” refers to any clause that would need to be reviewed as part of the toy’s assessment and where a pass or fail result would need to be reported.

“Clause(s) not assessed” refers to any clause which does not need to be considered during an assessment of the toy.

Participants are also encouraged to provide additional comments within Portal to explain their chosen responses.

Important Information

All test materials are required to be assessed in the condition that they have originally been provided.

Please note that this is a theoretical exercise and that actual testing must not be performed on the toy provided as this may affect the integrity of the toy.



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Sample 3. EN 71-3:2013+A3:2018

3R - Elemental Analysis of Liquid Paint Test Material

The scenario is that a liquid paint has been obtained from a child's art set and is required to be assessed to determine the level of the toxic elements present. Please test the material provided for migratable elements (stated above) where relevant to your routine laboratory procedures.

- The Liquid Paint material provided is to be tested as received - drying prior to analysis must not be performed.
- All results are to be entered on the test material as received.

Report all results as specified in the current TOYTEST Scheme Description document. A copy of this document is available for download from the LGC Standards website at www.lgcpt.com

3S: Elemental Analysis of Standard Solution (Application of EN71-3)

Please analyse the solutions provided and report results for all elements routinely tested in your laboratory.

Important information

- Two solutions have been provided to cover all the elements listed in the current EN71-3 standard.
- Solution 1 contains quantifiable levels for all elements excluding chromium VI and organic tin, which are covered in solution 2.
- Each solution is to be tested separately. The two solutions **must not** be combined together before testing.

Report all results as specified in the current TOYTEST Scheme Description document. A copy of this document is available for download from the LGC Standards website at www.lgcpt.com



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Sample 5 - EN71-8

Paper exercise assessment against EN71-8

For this round product details for a child's indoor/outdoor play set has been provided. The following have been requested to be assessed:

- 1) Paper exercise: Assess the details provided and determine whether the clauses listed within the current EN71-8 regulations are 'Relevant' or 'Not relevant'.
- 2) Additional testing: Evaluate the product against specific clauses listed in the paperwork provided and within PORTAL and state whether each clause is 'Satisfactory' or 'Not satisfactory' based upon the measurement details provided.

Full details have been provided on a separate instruction sheet for this sample.



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Sample 11. Measurement Testing

The following materials have been provided for measurement testing:

Sample	Test material	Measurement (see note 1)	Regulation	Section	Test	Units
11A	Length of cord	Cord cross-sectional dimension	EN71-1*	5.4.7	8.20	mm
11B	Length of cord	Cord cross-sectional dimension	EN71-1*	5.4.7	8.20	mm
11C	Section of plastic sheeting	Plastic sheeting thickness	EN71-1*	4.3a	8.25.1	mm
		Plastic film thickness	ASTM F963**	4.12	8.22	inches
11D	Section of plastic sheeting	Plastic sheeting thickness	EN71-1*	4.3a	8.25.1	mm
		Plastic film thickness	ASTM F963**	4.12	8.22	inches

* EN71-1:2014+A1:2018 (current version)

** ASTM F963-17 (current version)

Where multiple measurements are required to be performed participants are requested to report the average result calculated from the measurements taken.



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Sample 12. Kinetic Energy Testing

Please assess the toy and projectile that have been provided and report your results for the maximum kinetic energy determined.

Description	Clause	Test	Units	Decimal places
Maximum kinetic energy	EN71-1:2014+A1:2018	8.24	J (Joules)	3
	ASTM F963-17	8.14.5		