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.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Flammability testing</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>EN71-3</td>
<td>3</td>
</tr>
<tr>
<td>9</td>
<td>Total lead, Total cadmium &amp; Total chromium</td>
<td>4</td>
</tr>
<tr>
<td>10</td>
<td>Phthalates</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>Acoustic testing (in accordance with EN71-1)</td>
<td>6</td>
</tr>
</tbody>
</table>

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 Any standards that have been revised or withdrawn must not be used for the proficiency test materials provided.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](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@lgcgroup.com
Sample 2 - EN71-2

Sample Information

The following samples have been provided for assessment to EN71-2:

2A) Toy mask
2B) Section of material

Flammability Testing

Test materials provided are both to be tested in accordance with the current EN71-2 regulations. The following are to be determined for each test material provided:

*Important information: Please note that samples provided are not to be washed prior to testing.*

<table>
<thead>
<tr>
<th>Sample</th>
<th>Test</th>
<th>Method options</th>
<th>Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>2A) Toy mask</td>
<td>Duration of flaming (&gt;2 seconds)</td>
<td>4.2.2 4.2.3 4.2.4</td>
<td>Yes / No</td>
</tr>
<tr>
<td>2B) Section of material</td>
<td>Rate of spread of flame (clause 4.3)</td>
<td>4.3</td>
<td>mm/s</td>
</tr>
</tbody>
</table>
Sample 3 - EN71-3

Elemental Analysis of Chalk Test Material

A chalk test material has been provided for assessment. Please test for migratable elements (as stated above) where relevant to your routine laboratory procedures.

The chalk material provided is to be tested to the current EN71-3 standard.

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
Sample 9. Total Lead, Total Cadmium and Total Chromium

Paint flakes have been provided for the analysis of total lead, total cadmium and total chromium.

Important information

1. The material provided is to be tested as received. The test material is not to be dried prior to analysis.

2. Report your results expressed as mg/kg to 2 decimal places.

Please assess the test sample provided for the analysis of total lead, total cadmium and total chromium using your usual laboratory method(s) and report the levels determined.
Sample 10 - Phthalates

The following samples have been provided for the assessment of phthalates:

- 10R) rubber compound
- 10S) 2 x 1ml standard solutions (in hexane)

The following phthalates are required for assessment:

- Dibutyl phthalate (DBP) CAS number: 84-74-2
- Benzybutyl phthalate (BBP) CAS number: 85-68-7
- Di-n-octyl phthalate (DnOP) CAS number: 117-84-0
- Diethylhexyl phthalate (DEHP) CAS number: 117-81-7
- Diisononyl phthalate (DINP) CAS number: 68515-48-0
- Diisodecyl phthalate (DIDP) CAS number: 26761-40-0
- Diisoheptyl phthalate (DIHP) CAS number: 71888-89-6
- Dihexyl phthalate (DnHP) CAS number: 84-75-3
- Diisobutyl phthalate (DIBP) CAS number: 84-69-5
- Dipentyl phthalate (DPP) CAS number: 131-18-0
- Bis(2-methoxyethyl) phthalate (DMEP) CAS number: 117-82-8
- Dicyclohexyl phthalate (DCHP) CAS number: 84-61-7

Please assess the test samples provided for the phthalates listed above using your usual laboratory method and report the concentrations of any phthalates detected.
**Sample 13 – Acoustic testing**

The following sample has been provided for acoustic testing to EN 71-1:2014+A1:2018

- 13A) Child's musical book
- 13B) Electronic toy – ‘Mini voice changer’

**Testing Details**

Determine and report results for the following tests (as appropriate to the regulatory standards applied within your laboratory)

<table>
<thead>
<tr>
<th>Sample</th>
<th>Regulation</th>
<th>Test Performed</th>
<th>Unit</th>
<th>Decimal places</th>
</tr>
</thead>
<tbody>
<tr>
<td>13A Musical book</td>
<td>EN 71-1:2014 Section 4.20.2.3 (table top toys)</td>
<td>A-weighted time averaged emission sound pressure level (LpA)</td>
<td>dB</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C-weighted peak emission sound pressure level (LpCpeak)</td>
<td>dB</td>
<td>1</td>
</tr>
<tr>
<td>13B Electronic toy – 'Mini voice changer’</td>
<td>EN 71-1: 2014 Section 4.20.2.12 (voice toys)</td>
<td>A-weighted time averaged emission sound pressure level (LpA)</td>
<td>dB</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C-weighted peak emission sound pressure level (LpCpeak)</td>
<td>dB</td>
<td>1</td>
</tr>
</tbody>
</table>