Receipt and Storage
- On receipt of the test material, record the date and store chemical test materials at room temperature, until ready to test.
- The test material should be analysed in accordance with the deadlines shown on the website: https://portal.lgcstandards.com/login

Chemistry samples
General
Analyse the samples as received.

Immediately prior to testing, mix the sample thoroughly and take a representative sample for analysis using your routine laboratory methods.

NOTE: The concentration range given in the COSMETICS scheme description should be used as a guide. Occasionally, the detected concentration of parameters in a test material may exceed the maximum concentration limit stated in the Scheme Description.

Sample Details
Test materials represent a ‘real’ sample of ‘Cosmetics’ or related products, identical to those which may be purchased in retail or wholesale outlets. As such, the materials may not contain all of the analytes stated in the Cosmetics Scheme Description.

Chemistry samples provided in this round are:

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Description</th>
<th>Target Analytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Lipstick</td>
<td>Cadmium, Chromium, Lead, Nickel, Arsenic, Mercury</td>
</tr>
<tr>
<td>21</td>
<td>Eyeshadow</td>
<td>Cadmium, Chromium, Lead, Nickel, Arsenic, Mercury</td>
</tr>
<tr>
<td>22</td>
<td>Cream</td>
<td>Hydroquinone</td>
</tr>
<tr>
<td>25</td>
<td>Toothpaste</td>
<td>Antimony, Arsenic, Barium, Copper, Fluoride, Mercury, Selenium, Zinc</td>
</tr>
<tr>
<td>27</td>
<td>Cream</td>
<td>Methylparaben, Propylparaben, Butylparaben, Benzoic Acid, Sorbic Acid</td>
</tr>
<tr>
<td>29</td>
<td>Powder</td>
<td>Detergent</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Water Insoluble Matter, pH, Moisture and Volatile Matter, Anionic-active Matter, Cationic-active Matter, Chlorides (as Cl⁻)</td>
</tr>
</tbody>
</table>

Specific sample instructions

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Determinand</th>
<th>Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Cd, Cr, Pb, Ni, As, Hg</td>
<td>Report the concentrations of each individual element present in the sample in mg/kg</td>
</tr>
<tr>
<td>21</td>
<td>Cd, Cr, Pb, Ni, As, Hg</td>
<td>Report the concentrations of each individual element present in the sample in mg/kg</td>
</tr>
</tbody>
</table>
Instructions for Handling Test Materials and Recording Results
Round 37

<table>
<thead>
<tr>
<th>No</th>
<th>Component</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Hydroquinone</td>
<td>Report the concentration of hydroquinone present in the sample in % (w/w)</td>
</tr>
<tr>
<td>25</td>
<td>Sb, As, Ba, Cu, Hg, Se, Zn</td>
<td>Report the concentrations of each individual element present in the sample in mg/kg</td>
</tr>
<tr>
<td>25</td>
<td>Fluoride</td>
<td>Report the concentration of fluoride present in the sample in % (w/w)</td>
</tr>
<tr>
<td>27</td>
<td>Parabens &amp; Preservatives</td>
<td>Report the concentration of each individual compound present in the sample in % (w/w)</td>
</tr>
<tr>
<td>29</td>
<td>Cationic-active Matter</td>
<td>This sample does not contain cationic surfactants</td>
</tr>
<tr>
<td>29</td>
<td>Anionic-active Matter</td>
<td>This sample contains anionic and non-ionic surfactants. The anionic surfactant is sodium dodecylbenzenesulfonate, which has a molecular weight of 348.48</td>
</tr>
</tbody>
</table>

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.

Precautions
Refer to the Safety Data Sheet for information on the safe handling and disposal of the test materials.

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: ptcustomerservices@lgcgroup.com