**PROFICIENCY TESTING PROGRAMS**

**SUNSCREEN PRODUCTS**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>Sunscreen products: <em>in vivo</em> SPF</td>
</tr>
<tr>
<td>63</td>
<td>Sunscreen products: <em>in vivo</em> UVA</td>
</tr>
<tr>
<td>64</td>
<td>Sunscreen products: <em>in vitro</em> UVA</td>
</tr>
</tbody>
</table>
60 – SUNSCREEN PRODUCTS: IN VIVO SPF

- Proficiency testing scheme created in 2009
- 26 registered laboratories from 12 countries
- 2 rounds per annual series
- For further details on samples please refer to the planning.

**MATRICES**
- Cream
- Milk
- Lotion
- Lipstick
- Oil
- Powder
- Spray.

**MAIN PARAMETERS***
- Static SPF and after bath SPF according to ISO 24444
- (Reference sunscreen formulation)
- (RCEE between 290 and 320 nm)
- (UV source identification)
- % of water resistance.

*Note: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
63 – SUNSCREEN PRODUCTS: IN VIVO UVA

• Proficiency testing scheme created in 2012
• 10 registered laboratories from 5 countries
• 1 round per annual series
• For further details on samples please refer to the planning.

MATRICES

• Cream
• Milk
• Oil.

MAIN PARAMETERS*

• in vivo UVA Protection Factor according to ISO 24442 (reference sunscreen product).

Note: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.
• Proficiency testing scheme created in 2012
• 14 registered laboratories from 6 countries
• 3 rounds per annual series
• For further details on samples please refer to the planning.

MATRICES

• Sunscreen products (milk, oil, spray, lipstick, cream)
• Foundation with sunscreen.

MAIN PARAMETERS*

According to ISO 24443 method:
• Sample temperature before and during exposure,
• In vitro UVA protection factor
• UVAPF before exposure
• Confidence interval at 95%
• Coefficient of adjustment (C)
• UVA dose (Dx)
• Critical wavelength value (λc)
• Type of plate used (ref. and batch number)
• UV source (type)
• Type of Spectro-analyser.

Note: The information mentioned in that form could be modified during the annual series after decisions from Committee, Technical group or Chairperson.