



## **SGS REACH EVALUATION ANALYSIS (REA) A COST EFFECTIVE AND INTELLIGENT EVALUATION APPROACH FOR REACH COMPLIANCE**

REACH compliance is mandatory for all consumer products imported to the EU, including electrical and electronic (E&E) products. Under REACH, information on substances of very high concern (SVHC) in the Candidate List that are present at over 0.1% (w/w) in an article, shall be communicated along the supply chain. Moreover, chemicals are restricted under specific scopes and limits as stated in REACH Annex XVII. To comply with REACH requirements, products shall be evaluated to check if they contain any regulated substances, and if so, at what level (percentage) the regulated substance is present.

The huge number of REACH regulated substances causes related assessments to be more and more demanding of resources. Since its establishment in 2008, the Candidate List has grown to contain 163 SVHCs (as of mid June 2015), and the number is expected to increase. Estimates suggest it will reach 400 in 2018. However, not all SVHCs might be found in E&E consumer products. Moreover, the Annex XVII restricted substances list contains 64 entries.

The situation is further complicated by the various specifications of different materials and product applications in each entry. Therefore, a cost effective and intelligent evaluation approach for REACH compliance is needed.

SGS's REACH Evaluation Analysis (REA) programme supports you to cope with these challenges at a lower cost, in terms of both money and time, compared with that required in a traditional testing approach.

## HOW DOES THE PROGRAMME SUPPORT?

The REA programme is a product material specific statistical evaluation, which is applicable to E&E finished products. Coupling our expertise and experience in REACH testing, we identify substances and materials in high risk of non-compliance to REACH. A review of the Bill of Materials (BOM), statistical evaluation and selective confirmation tests, minimise the risk of a product's REACH non-compliance. REA is applicable to finished products.

REACH compliance evidence is obtained using a few quick procedures:

### Step 1 – Document Review

Clients must provide the following documents for their products

- Bill of Materials (BOM)
- Exploded diagram
- Agreement letter
- Ingredient list of mixture(s)/substance(s) if the product contains mixture(s)/substance(s)

### Step 2 – High Risk Components Identification

Component materials at a high risk of non-compliance are identified.

### Step 3 – High Risk Substances Identification

Substances possibly contained in the selected high risk components are identified.

### Step 4 – Issuance of REACH Evaluation Analysis Report

REACH compliance evidence covering both SVHC and Annex XVII requirements is provided.

## WHY CHOOSE SGS?

SGS is the world's leading inspection, verification, testing and certification company. We are recognised as the global benchmark for quality and integrity. With more than 90,000 employees, we operate a network of more than 2,000 offices and laboratories around the world.

Independent and innovative, our Electrical & Electronics experts use state-of-the-art facilities and technology to deliver tailor made added value services that support improve your business.

We strive to deliver outstanding value at every step in your project by providing:

- Rapid turnaround
- Value-based pricing
- Technical assistance
- Key account management

Our expertise in compliance management will support you make the right choices for different national markets, while carrying out the necessary testing and certification quickly and professionally.

## SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

### CONTACT US

To learn more about SGS certification services contact your local SGS representative, or contact our global team at [ee.global@sgs.com](mailto:ee.global@sgs.com).



## SERIAL PRODUCTS

REA can also be applied to multiple products in a series. Simply check the criteria below to determine if multiple products can be regarded as members of the same series.

- Products have the same major function. Major function refers to the basic functional requirement of the product. For example, a mobile phone with camera lens has its major function as making and receiving phone calls, but not photography.
- 90% of the components in each product are identical. For example, both mobile phone A and B are made up of 250 components. They are regarded as products in a series if they contain at least 225 identical components. We will judge whether or not multiple products are considered as serial products in REA on a case-by-case basis.

## A GLOBAL REACH WITH A LOCAL TOUCH

With a presence in nearly every single region around the globe, our experts speak the local language, understand the culture of the local market and operate globally in a consistent, reliable and cost-effective manner.