

## Quality testing of candles

### Raw material quality, candle burning, and RAL quality mark

**Candles create atmosphere - but behind the warm light there can be risks. Burning time, soot development, flame height, and pollutant emissions are crucial for quality and safety. DEKRA tests candles in accordance with European standards and legal requirements**

DEKRA is your expert for testing candles for chemical composition, burning behavior, and product safety in accordance with the EU REACH Regulation, the EU Product Safety Regulation, and also in accordance with customer-specific requirements.

With these tests, we ensure that your candles not only burn beautifully, but are also safe, low in pollutants, and consumer-friendly:

- ▶ Burning behavior (RAL or customer specifications)
- ▶ Raw material analyses (paraffin, stearin, beeswax, palm oils)
- ▶ Soot behavior and pollutant emissions during burning
- ▶ Emission safety of combustible air fresheners (DIN EN 16738, DIN EN 16739)
- ▶ Damage analyses
- ▶ Fire safety and labeling of candles for outdoor use (DIN EN 17616 and DIN EN 17617)
- ▶ Fire safety of candles for indoor use (DIN EN 15493)

Are you a manufacturer, importer, or supplier of candle accessories? Then DEKRA is the right place for you. We also test:

- ▶ Matches, lighters and lighting aids
- ▶ Fire safety and labeling of candle accessories such as accessories or candle holders (DIN EN 17885)

#### Additional services you can benefit from

On behalf of the German Candle Quality Association, DEKRA tests household candles and their raw materials for quality and safe burning. With the RAL quality mark for candles, you give consumers the assurance that they are purchasing high-quality candles. We support manufacturers, importers, and retailers with initial sampling, quality assurance, and test planning.

As a central and international DEKRA laboratory service provider, our experts offer an interdisciplinary range of tests covering chemical safety and material quality.

These include environmental and hazardous material analyses, pollutant and emission tests of consumer goods and technical products, tests of operating materials and components, material analyses of plastics and metals, material tests, environmental simulation tests and damage analyses.

Our DIN EN ISO/IEC 17025 accredited laboratories of DEKRA Automobil GmbH in Germany are located in Bretten, Halle, Saarbrücken and Stuttgart.

In addition, we offer a variety of further testing and certification options in our worldwide DEKRA laboratory network.

