



ISTITUTO CERTIFICAZIONE QUALITÀ SRL

Request n. 10-49

Cabiate, 03/03/2010

To OK Baby Srl
Via del Lavoro, 26
24060 Telgate (Bg)

Kind attn. Mr. Saviori

Technical evaluation of child appealing appliances fragrance diffuser BLUE AROMA

Blue Aroma



Scope

The present document has the aim to determine if the product mod. Blue Aroma may constitute any hazards for children.

The reason why this analysis has been considered necessary is that EN 60335-1 cl. 22.44 forbids household appliances from having child appealing features.

The analysis is based on the harmonized standards for the LVD (standards EN 60335-1 and EN 60335-2-98), on others standards for toy safety to cover the specific hazards due to the child appealing features of the product, on the LVD ADCO Recommendation November 2008 "Regarding child-appealing household appliances" and a first proposal of amendment to EN 60335-1 intended to add specific additional requirements to this standard to give an alternative to cl.22.44 which currently requires that household appliances shall not be child appealing



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Intended age range

Since the product may be used in a bedroom for very young children, it shall be safe in case of use by a child from 1 year of age. Younger children are considered not being able to get access to the product.

It shall be also to be considered that the product is not a toy, and, for this reason, some requirements defined by the standard for the safety of toys are not applicable. This means that these specific requirements do not address specific hazards which are present in these products.

Safety assessment

Safety of the product when use as intended

As far as the safety of the product intended as a fragrance diffuser is concerned, the product has been verified according to the harmonized standard for such products for the Low Voltage Directive (2006/95/CE).

The product complies with the requirements of EN 60335-1 and EN 60335-2-98, except, of course, for cl. 22.44, since it has a child appealing feature (see our test report 10.622a). We have rated this requirement as 'Not Rated' in our test report, since the risk for use by children is covered by the other tests we have performed.

We underline that just the product has been tested, not the transformer. The transformer shall be separately certified according to EN 60598-1 + EN 60598-2-7.

The product also complies with EN 50366 regarding the exposure of human body to electromagnetic fields (see our test report 09-28609).

As far as the fragrances are concerned, in the instruction sheet it is recommended to use only the fragrances recommended by OK Baby, that do not present chemical hazards (see our test report 09-27921).

Safety of the product in case of use by children

To assess the safety of the product with regard to the possible use by children, we have tested the product according to EN 71-1, which defines the mechanical requirements for toys, according to EN 71-2, which defines the flammability requirements for toys, as a toy intended for children of any age (see our test report 09-45097) and according to EN 62115 which defines the requirements for electrical toys (see our test report 09-28606).

The product complies with the mechanical requirements defined in EN 71-1 as a toy intended for children both over and under 3 year of age:

- It does not have detachable small parts (which may cause suffocation) nor as received and after the mechanical tests (torque, tension, drop, impact, etc.);
- It does not present any sharp edge or sharp point.

Of course, the labelling requirements defined in EN 71-1 have not been checked, since the product is not a toy, but the specific warnings for this product have been separately evaluated.

As far as flammability is concerned, the product complies with the requirements defined for toys in EN 71-2.



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As far as the electrical safety is concerned, the product complies with the requirements defined for toys in EN 62115 with some exceptions.

In detail:

- The product is supplied by a safety extra low voltage power supply, thus it does not pose any risk of electric shock to children;
- The product does not present overheating both under normal work condition and under fault conditions, thus it does not pose any risk of burns or fire;
- The product is not a toy, and, even if it is child appealing, is not likely that a child clean it under water without any supervision: for this reason the requirement in cl. 11.1 of EN 62115 shall be considered as not applicable to this product, and the product shall be accompanied by warnings that it shall be cleaned just by adults;
- This product may be attractive also for a child under 3 years of age, but, since it not a toy, it is acceptable that it is a transformer toy: for this reason the requirements in cl. 14.4 of EN 62115 shall be considered as not applicable to this product and the product shall be accompanied by instruction that it shall be kept out of child's reach when not in use
- EN 62115 requires to verify the light emission from LEDs even after breaking the toy and it specifies that LEDs shall comply with the requirements defined for Class I light sources in EN 60825. We have verified that, after removing the blue LED from the product, its emission complies with Class II requirements. Since this Class of emission is also acceptable in consumer products other than toys and since, when the light emission is measured in the product as supplied, i.e. with the product fully disassembled, but without breaking it, the product, the accessible emission fully complies with the limits defined for Class I in EN 60825 (see our test report 09-47212), we consider that the product is safe.

For the above reason, we consider the product as safe as an electric toy.

Best regards,


Mr. Matteo Longoni



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Evaluations about product performances during its life-cycle are not specifically considered into the actual technical evaluation. The Institute is at your disposal to analyze such aspects separately.

We remind that every CLAIM and marks labelled on products shall be supported by specific corporate documentation and in compliance with national legislative references.

We inform you that every product (substances, preparations or article) placed on the European Community market is subject to the prescriptions of the Regulation 1907/2006 (REACH).

We remind therefore to fulfil the obligations that your firm has towards such Regulation (recording, information transfer, notification, etc) in relation to the kinds of products that belong to your commercial activity.

The Institute REACH Division is at your disposal for specific evaluations.

The Institute declares that the contents of the present file represent our best interpretation of Technical standards, laws, circulars, Directives. Our opinion in this context hasn't got a legal value.