



NESTED BEAN

CO2 REBREATHING AND SUFFOCATION HAZARD TEST: ZEN SWADDLE

Product Description: Zen Swaddle, 100% knitted cotton plain surface, with polypropylene-fill.

CO2 Rebreathing is a known factor in the increased risk of SIDS in infants. I (we) hereby certify that the product described above has been tested to check if it poses a significant risk of SIDS by testing the levels of CO2 saturation it retains when breathed into.

- CO2 Rebreathing test
- Suffocation Hazard test

Expert Conclusion:

The carbon dioxide rebreathing assessment was conducted based on the Nestled Bean swaddle sample. The potential for this product to retain carbon dioxide was compared to the potential of comparator products of known hazard level. High hazard level comparator products were selected based on examination of SIDS case studies found in the medical literature. Comparator products of low hazard level were selected based on the recommendation found in the policy statement of the American Academy of Pediatrics.

The product sample was also sent to a pulmonary expert from Division of Neonatology, Children's Hospital, for expert medical opinion to confirm the level of hazard for carbon dioxide rebreathing.

Given the results of the carbon dioxide evaluation and the expert medical consultation, the swaddle tested in this study does not pose a significant hazard for carbon dioxide rebreathing.

Human Factors Design Direction:

Nestled Bean has maintained i) the fabric and the weighted part composition and content, ii) the ratio of added weight over the area applied, iii) the ratio of weighted part length to the total length of the product, and iv) the ratio of the added weight to the weight of the wearer, either lower or the same as the swaddle sample approved by this test.

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 Hudson, MA 01749

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