

TEST REPORT

Testing laboratory:
Nordic Institute of Dental Materials
Sognsveien 70 A, NO-0855 Oslo, Norway

Project no. 10163

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Client: The Smile Company ApS
Christiansmindevej 12D
DK-8660 Skanderborg
Danmark

Att: Emil Schmidt

Name of product: Smilebright Teeth Whitening Gels

Batch number: 4576290101

Test report: 10163

Date(s) of receipt of test item(s): 2019-10-02

Date(s) of performance of test(s): 2019-10-03 – 2019-10-07

Test methods and procedures according to

ISO 28399:2011
Dentistry – Products for external tooth bleaching



Hilde Molvig Kopperud
Head of laboratory, dr. scient.

ISO 28399:2011 Dentistry – Products for external tooth bleaching

Name of test product: Smilebright Teeth Whitening Gels
Batch (lot) number: 4576290101

Information of product given on the outer package:

Sodium Chlorite, Carbopol, Deionized water, Propylene glycol, Glycerine, PH adjust materials, Stabilizer, Essence.

Methods and results

Spot test for chlorites: By nickel sulfate and formation of nickel hydroxide (black precipitants).

The spot test was negative, thus indicating that chlorite was not present.

Spot test for peroxide: $TiOSO_4$ Redox Colorimetry, Test for Hydrogen Peroxide (yellow colour).

The spot test was negative, thus indicating that peroxide was not present.

The complex composition of the whitening gels may challenge the results of the spot tests.

Quantification of H_2O_2 by modified thiosulfate titration method (ISO 28399, Annex A): The titration method may be interfered with similar reaction from chlorites.

Peroxides were not identified by the titration method.

Conclusion

The presence of hydrogen peroxide could not be confirmed by the test methods used.

Technical responsibility



Torbjørn Knarvang
Senior Engineer



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Signature to verify that the data in this test report have
been copied correctly from the laboratory journal