

Technical Report

AFK2790/25

Review 02

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Date sample was received by Afinko: 03/06/2025	
Date the work was developed: 04/06/2025 to 15/09/2025	

SUMMARY

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1 SAMPLE(S) IDENTIFICATION

Sample sent by the client was identified by Afinko according to Table 1. Figure 1 show an image of the sample as received.

Table 1 – Sample(s) Identification

Afinko's Identification	Client's Identification
AFK253877	Smart Print Bio Vitality (Shade A)



Figure 1 – Image of Sample AFK253877.

2 OBJECTIVES

To perform Color Stability tests on 01 (one) sample to characterize them.

3 METHODS

3.1 Color Stability

Table 2 shows the test conditions.

Table 2 – Ageing test conditions.

Condition 1	Dark and 7 days at 37°C
Condition 2	Dark 7 days at 37°C with water immersion
Condition 3	Dark and 24h at 37°C
	Wrapping half of the specimen in aluminum foil
	24h in radiation chamber at 37°C with immersion in water
	5 days at 37°C dark and dry
Number of Aged Specimens: 01	
Test Date: 20/08/2025	
Equipment(s):	Climate Chamber Mecalor Q-Lab, model Q Sun Xe-3
Standard Test Method(s):	ABNT NBR ISO 4049: 2017 – “Odontologia — <i>Materiais restauradores poliméricos</i> ”
	ISO 10477: 2004 – “Dentistry — Polymer-based crown and bridge materials”

4 RESULTS

4.1 Color Stability

The following figure show the comparison between the conditions and the guide.

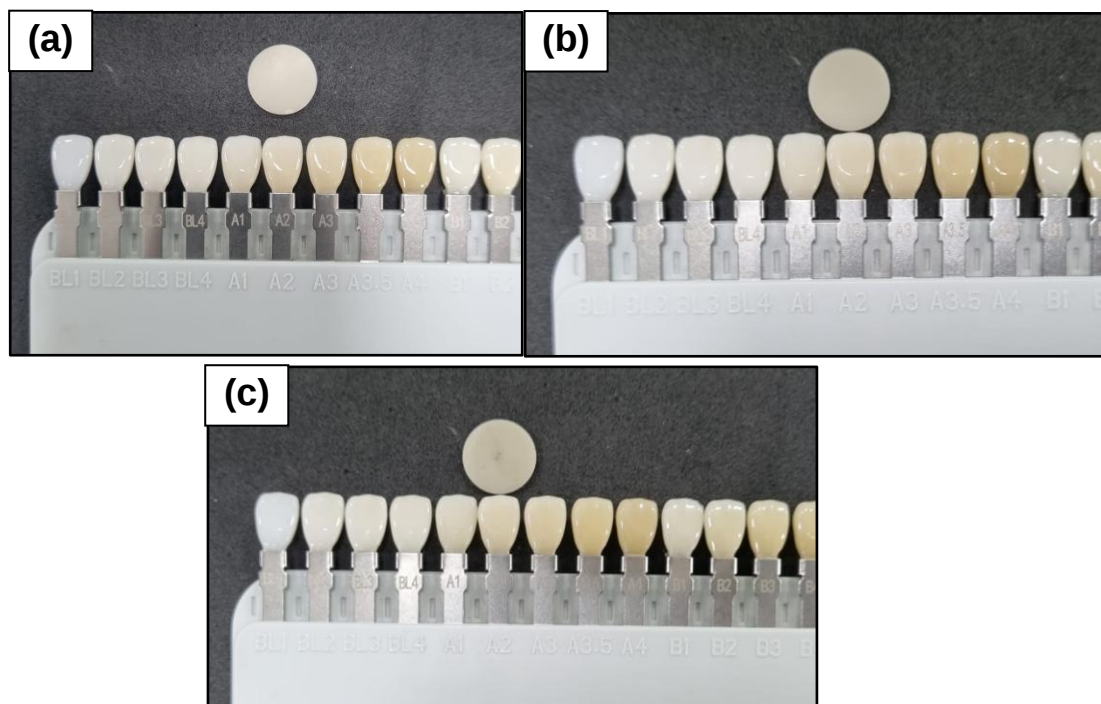


Figure 2 –Comparison AFK253877: (a) Condition 1, (b) Condition 2 and (c) Condition 3 (A and B).

For condition 3, side A was considered as the one covered by aluminum and side B as the uncovered one, in the visual analysis, comparative with the guide, the two sides had the same classification.

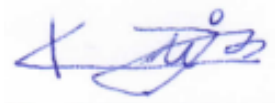
5 CONCLUSIONS

The table below present a summary of the results obtained.

Table 3 – Summary of Results.

Sample	Results (Guide)
AFK253877 Condition 1	A2
AFK253877 Condition 2	A2
AFK253877 Condition 3 A	A2
AFK253877 Condition 3 B	A2

São Carlos, September 15, 2025.



Kenji Nishiyama Bueno Rosa
Researcher



Marcio Kobayashi, PhD
Technical Director

Final observations

- This report cancels and replaces the previous one with the same number. Review 01: The years of the standards have been added and the client identification of sample has been modified, as requested by the client. Review 02: The ABNT NBR translation reference to ISO 4049 has been added.
- Results presented in this report refer exclusively to the analyzed samples, at the exact conditions the tests were performed and therefore, they must not be extended to any lot, even if similar to the ones analyzed. Additional images were inserted at completion.
- The laboratory is not responsible in case of misinterpretation of data nor eventual improper use of the document.
- The reproduction of this document must be done in full.
- Samples are maintained at Afinko for two months or for the period specified by the budget/contract.
- Afinko considers the result obtained through the tests as a comparative value to the classification referenced in the technical standards, when applied. Measurement uncertainty will only be expressed in the Technical Report upon customer's request.

-- End of report --