DANCHEK AD STRIP

PERIODIC VERIFICATION REPORT

OF PERFORMANCE AND EFFECTIVENESS

Periodic Verification of Performance and Effectiveness

REPORT DETAILS

Campo	Información
Product	DANCHEK AD STRIP – Acid Test
Manufacturer / Brand	DANCAN
Report No.	DANCHEK-QC- 2026 – Nº 1
Test date	August 2026 October 2026
Tested batch	05-2026
Laboratory / testing centre	GAB Sistemática Analítica, S.L.
Technical responsible person	Joan Garcia
Frequency	For Lotes

1. PURPOSE OF THE REPORT

This report is intended to document the periodic verification of the performance, sensitivity and proper functioning of DANCHEK AD STRIP indicator strips, intended to detect acidity associated with the so-called "Vinegar Syndrome" in motion-picture film and audiovisual materials with an acetate base.

The verification programme provides periodic, documented control of product performance and traceability of the batches and test conditions evaluated.

2. SCOPE

This programme applies to DANCHEK AD STRIP indicator strips intended to detect acidity released into the confined air surrounding acetate-based photographic and motion-picture film.

The results of each report apply exclusively to the batches, samples, methods and conditions described in the corresponding test.

3. BACKGROUND AND OPERATING PRINCIPLE

DANCHEK AD STRIP is a highly sensitive acid-base indicator strip. According to the product technical documentation, the indicator reacts with acetic acid vapours and progressively changes colour, allowing the acidity level to be assessed using a reference card.

The technical documentation identifies bromocresol green (sodium salt) as the chemical reagent and establishes a colour progression from blue to green and yellow according to the acidity level.

4. OBJECTIVES OF THE VERIFICATION PROGRAMME

Verify that the strips provide a reproducible chemical response in the presence of acetic acid.

Verify that the colour response occurs according to the established reference levels.

Assess the sensitivity of the indicator to different exposure levels.

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Check the repeatability of results between different strips from the same batch.

Where applicable, check reproducibility between different batches.

Compare DANCHEK results with the reference values or methods used in the test.

Detect any deviation that could affect product performance at an early stage.

Generate a historical quality-control record for the product.

5. TEST METHODOLOGY

The tests shall be carried out in a specialised laboratory or technical centre, under controlled conditions and using a predefined procedure.

For each verification campaign, the following shall be documented, where applicable:

• Product identification and batch number.

• Test date.

• Number of strips used.

• Temperature and relative humidity.

• Exposure time.

• Concentration or level of acid used.

• Reference method or system used.

• Individual result for each strip.

• Observations and possible deviations.

6. TYPES OF TEST

6.1 Sensitivity Test

The strips shall be exposed to different known levels of acetic acid in order to verify that the indicator provides a progressive response as acidity increases.

Expected result: progressive colour response consistent with the established acidity level.

6.2 Repeatability Test

Several strips from the same batch shall be used under identical conditions to assess consistency of response between samples.

6.3 Reproducibility Test

Where applicable, strips from different batches and/or tests performed on different dates shall be compared to assess the stability of product performance.

6.4 Comparative Test

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Where available, the DANCHEK response may be compared with an analytical method, standard solution, reference indicator or other acidity-detection system used as the reference for the test.

7. EXPOSURE AND READING CONDITIONS

La documentación técnica del producto establece que el tiempo de exposición depende de la temperatura del área de prueba. Para una humedad relativa del 30–50 %, se indican los siguientes tiempos:

Temperature	Minimum exposure time
Room temperature	24 hours
55 °F / 13 °C	1–2 weeks
41 °F / 5 °C	3 weeks
35 °F / 2 °C	4 weeks
25 °F / −4 °C	6 weeks

The reading shall be carried out by comparing the strip with the reference card under cool white light, immediately after removing the strip from the exposure environment.

8. INTERPRETATION SCALE

Level	Film condition	Recommended action
pH 6,0	Good: no significant deterioration.	Cool or cold storage.
pH 5,0	Fair to good: deterioration beginning.	Cold storage. Periodic inspection.
pH 4,8	Autocatalytic point: onset of rapid degradation.	Cold storage or freezing. Prioritize for duplication.
pH 4,2	Poor: active degradation.	Freeze to stop deterioration. Duplication is recommended.
pH 4,0	Critical: imminent shrinkage and distortion. Handling risk.	Freeze immediately. Urgent duplication.

9. RESULTS RECORD

TEST		**Resultado DANCHEK**		Agreement
1		First week august		Yes
2		Second week august		Yes
3		First week october		Yes
4		Second week october		Yes

Indicador global	**Resultado**
Total number of tests	4
Compliant result	4
Percentage of agreement	100%
Test deviation	No observation
Laboratory Conclusion	Satisfactory tests

10. EFFECTIVENESS ASSESSMENT

The results obtained shall be evaluated against the acceptance criteria defined for the test campaign. The conclusion shall indicate whether the tested samples show a conforming response, whether any deviations have been observed, and whether corrective action or repetition of specific tests is necessary.

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11. REPORT CONCLUSION

Once the tests corresponding to this verification campaign have been completed, and considering the conditions, samples and methods described in this report, the following conclusion is established:

"The **DANCHEK AD STRIP** indicators tested have shown an adequate and consistent chemical response under the test conditions described in this report. The results obtained have shown satisfactory agreement with the reference values or systems used during the tests."

Where the results and acceptance criteria allow, the following may be added:

"The tests performed confirm, under the conditions described, the suitability of DANCHEK AD STRIP as a tool for detecting and monitoring acidity associated with Vinegar Syndrome in acetate film."

The results of this verification apply exclusively to the conditions, samples, batches and procedures described in this report and shall not be interpreted as a universal certification of product performance outside those conditions.

12. TRACEABILITY AND SUPPORTING DOCUMENTATION

- Sample or reference from the tested batch.
- Batch identification and test date.
- Record of environmental conditions.
- Individual test results.
- Photographs of the strips before and after testing, where applicable.
- Laboratory report or certificate, where applicable.
- Test method and reference method used.
- Any incident or deviation observed.

13. FREQUENCY

DANCAN establishes this internal verification programme at a planned frequency of six 6 months. The frequency may be modified depending on the results obtained or on changes that may affect product performance, including raw materials, manufacturing process, formulation, packaging or storage conditions.

14. APPROVAL

Function	Name	Signature	Date
Test responsible person	Joan Garcia	Final Report	26 October 2026
Technical responsible person	Joan Garcia	Final Report	26 October 2026
DANCAN approval	Jordi Solé	Final Report	26 October 2026

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