

Certificate of Conformity



Article no.	Retrace Code/Batch/Lot no.
213214606	N/A

Article description

DURAN® Watch glass dish, with fused edges, d = 100 mm

DURAN® Product Certificate

The articles listed under "article number" are hereby confirmed to have been produced using a quality system conforming to ISO 9001 and comply with the DWK Life Sciences quality standards.

Prior to delivery, all production batches are subjected to statistical quality inspections corresponding to the standard DIN ISO 2859 -1. We herewith confirm that this lot passed the statistical quality inspection according to ISO 2859-1.

Product Material

The specified product is manufactured from DURAN® glass. DURAN® glass is classified as a Borosilicate 3.3 glass as defined by ISO 3585 and a "Type I, Class A low-expansion borosilicate glass" as defined by ASTM-E438.

DURAN® – Glass type 1 Composition

SiO ₂	B ₂ O ₃	Na ₂ O/K ₂ O	Al ₂ O ₃
81 %	13 %	4 %	2 %

DURAN® - Chemical and physical properties

Coefficient of expansion	Acid resistance	Acid resistance	Hydrolytic resistance	Alkalis resistance
$3.3 \times 10^{-6} \text{ K}^{-1}$	Class S 1 (DIN 12116)	$\leq 100 \mu\text{g Na}_2\text{O per dm}^2$ (ISO 1776)	Class HGB 1 (ISO 719) / Class HGA 1 (ISO 720)	Class A 2 (ISO 695)

DURAN® - Pharmacopoeial Compliance

DURAN® glass is classified as a "Type I neutral glass" as defined by the current editions of the following pharmacopoeias:

- USP <660> Containers – Glass
- Ph. Eur. (3.2.1) Glass Containers for Pharmaceutical Use
- JP <7.01> Test for Glass Containers for Injections

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Statement on BSE/TSE for products manufactured from DURAN® glass:

We hereby confirm that DURAN® glass consists of raw material without any biological origin or genetically modified organism (GMO). No materials of animal origin are used or added during the manufacturing process.

The manufacturing of DURAN® glass involves minimum melting temperatures of 1500 °C for several hours, where all the raw materials are melted together. After forming, the glass products are tempered in an oven at more than 400 °C before being slowly cooled. Due to the high temperatures, we can act on the assumption that any and all biological substances are destroyed during production.

Therefore, DURAN® glass can be considered as free of Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).

Please note that analysis of the raw materials and/or finished goods for presence of the above mentioned substances is not performed on a routine basis.

All confirmations and references in this certificate apply to original DURAN® products only.

Product Conformity

The product is compliant with the requirements of the following guidelines, laws and regulations:

- DIN 12341 - Laboratory glassware - Watch glasses

Certified by: 
Mariska Jefferson
Quality Manager

Date of issue: 2022-11-01