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Our reference:		Phone:		Date:	13.07.2020
Ref. to our letter of:		Fax:	+49 (0)6131-1445 4016	Mail:	susanne.zangi@dwk.com

We hereby confirm, that the article:

213543804	DURAN® Powder Funnel, with short, wide stem, outer diameter: 70 mm	

is made from DURAN® Glass and has been produced in accordance with the Quality Assurance System DIN EN ISO 9001:2015.
DURAN® glass is a borosilicate glass type 3.3 as specified by the international standard ISO 3585 and has the following composition:

SiO_2	B_2O_3	Na_2O & K_2O	Al_2O_3
81% by weight	13% by weight	4% by weight	2% by weight

DURAN® borosilicate glass 3.3 complies with all the stipulations of DURAN® laboratory glass product specifications plus the relevant DWK Life Sciences - article drawings.
All batches of articles are subject to a statistical quality inspection in accordance with standard ISO 2859-1 and only those items which pass this inspection are released for shipment.

1. DURAN® Glass Material Conformance

a) DURAN® borosilicate 3.3 glass is classified as a “Type I, Class A low-expansion borosilicate glass” as defined by ASTM-E438-1992.

b) DURAN® is a borosilicate glass type 3.3 as specified by the international standard ISO 3585:1998 – (Borosilicate glass 3.3 – Properties).

c) DURAN® is notable for very high thermal shock resistance and has the following chemical properties:
• acid resistance Class I (to ISO 1776)
• hydrolytic resistance Class I (to ISO 719/720)
• alkali resistance Class 2 (to ISO 695)

d) Due to its high hydrolytic resistance (Hydrolytic resistance Class I (to ISO 719/720)), DURAN® glass is classified as a “Type I neutral glass” as defined by the following pharmacopoeias.
USP <660> Containers – Glass

EP (3.2.1) Glass Containers for Pharmaceutical Use
JP <7.01> Test for Glass Containers for Injection

All confirmations and references in this certificate apply to original DURAN® products only.
For any further question please do not hesitate to contact the undersigned.

Yours faithfully



Dr. Susanne Zangi
Product Manager Labware
DWK Life Sciences GmbH