

CERTIFICATE

We hereby certify for **BORO-8330™ (glass 8330) batch 8330S020** following values:

Hydrolytic resistance (glass grains test):

Acc. to	Value	Limit	Unit	Result
ISO 719	8	HGB 1 ≤ 31	µg Na ₂ O / 1 g glass	HGB 1
ISO 720	12	HGA 1 ≤ 62	µg Na ₂ O / 1 g glass	HGA 1
Ph. Eur. 3.2.1	0.020	Type I ≤ 0.1	ml 0.02 M HCl / 1 g glass	Type I
USP <660>	0.020	Type I ≤ 0.1	ml 0.02 M HCl / 1 g glass	Type I
JP 7.01	0.05	Containers to be fused ≤ 0.30	Containers not to be fused ≤ 2.00 ml 0.01 M H ₂ SO ₄ / 5 g glass	fulfilled

Arsenic extraction (glass tube):

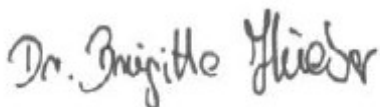
Acc. to	Value	Limit glass containers	Unit
Ph. Eur. 3.2.1	< 0.01*	0.1	ppm As

* measured on a glass tube

All measurements according to the current edition / version of the respective reference.

SCHOTT AG
Business Unit Tubing
Site Mitterteich

Director Analytical Service



Dr.-Ing. Brigitte Hueber

SCHOTT AG
Business Unit Tubing
Site Mitterteich

Director Quality Management



Dr.-Ing. Karsten Hennig

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glass made of ideas