

ArdaghGroup



www.ardaghgroup.com

Ardagh Glass GmbH
Plant Bad Münden
Süntelstr. 33
31848 Bad Münden
GERMANY
T: +49 (0) 5042 500-318
F: +49 (0) 5042 500-303
E: michael.raszewski@ardaghgroup.com

Your Ref. Dated

Our Ref. Date
mr/sch 18.11.2016

Specification of Glass bottles

Dear Laszlo,

We hereby certify that all amber bottles produced by Ardagh Glass Bad Münden meet the requirements of the current issue of the European Pharmacopoeia and of the current United State Pharmacopoeia.


The achieved glass quality is Class III.

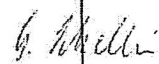
The production of these bottles fits with the current issue of defect evaluation list for containers made of moulded glass.

The glass colour has a dominant wave length of > 576 nm (glass thickness 2 mm).

Our quality management has been granted the DIN ISO 9001 and ISO 15378 certification.

Yours faithfully,


Michael Raszewski
Sales Manager Pharma Glass
Bad Münden


Gertraud Schellin
Sales Pharma Glass
Bad Münden

GmbH registered at
Handelregister AG WALSRÖDE under HRB 30704
VAT reg.no.: DE193240663
Tax-no. 34/200/25442

HSBC Trinkaus&Burkhardt AG, DÜSSELDORF
BLZ 251205103 KTO 1550030009
SWIFT-CODE: TUBDDE33
IBAN DE59300308801953030009

Managing Directors:
Reiner Brand, Michael Hüskens, Jens Schaefer

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Clearance Certificate

Dear Laszlo,

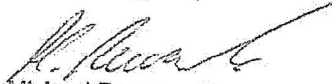
as desired, please find below our clearance certification for amber glass bottles produced in Bad Münden.

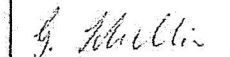
We herewith confirm, that no materials injurious to health or doubtful smell or taste dissolve from the glass packaging delivered by us into the filled material corresponding to the "Food, Consumer Goods and Feeding Stuff" (LFGB), 26th of January 2016.

Attached please find our supplier's declaration (Standard Sheet T116).

Hoping to have been of service to you we remain,

with best regards,


Michael Raszewski
Sales Manager Pharma Glass
Bad Münden


Gertraud Schellin
Sales Pharma Glass
Bad Münden

Encl.



Faint, illegible text, possibly a stamp or header information.

Your Ref.

Dated

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Composition of glass

Dear Laszlo,

we herewith confirm that the composition of our glass type III contains the following ingredients – with reservation of minor deviation of the percentages:

SiO ₂ =	72,3 Gew.-%
Al ₂ O ₃ =	1.9%
Fe ₂ O ₃ =	0.34%
CaO =	9.6%
MgO =	2.5%
Na ₂ O =	12,1%
K ₂ O =	0.8%
Li ₂ O =	0.009%
Cr ₂ O ₃ =	0.032%
SO ₃ =	0.042%
PbO =	86 ppm (= 80 ppm Pb)

The production is according to the quality management ISO 9001 and GMP 15378.

Yours faithfully,

Michael Raszewski
Sales Manager Pharma Glass
Bad Münden

Gertraud Schellin
Sales Pharma Glass
Bad Münden