

Polyethylene Bormed™ LE6609-PH

We confirm that this product fulfils the requirements on materials used for the manufacturing of articles or components of articles intended for medical use as described in:

Council of Europe

Material complies with the following European Pharmacopoeia monographs:
Monograph 3.1.3. Polyolefins
Monograph 3.1.4. Polyethylene without additives for containers for parenteral preparations and for ophthalmic preparations
Tests are made according to the current Pharmacopoeia edition at the time of the testing: 10th edition (2020), and supplement 10.2 (07/2020).

Monograph 3.2.2. Plastic containers and closures for pharmaceutical use: This monograph relates specifically to the container and closure system and does not contain tests that are required for compliance assessment of the raw materials used for said container and closures. The composition of the product is in compliance with this monograph.

Germany

The product follows the VDI 2017 Guideline on "Medical Grade Plastic" that covers the requirements for change management, quality management, supply security and support for regulatory requirements.

USA

Material has passed the following United States Pharmacopeia tests:
Biological reactivity tests - in vitro <87>: Cytotoxicity (Elution test)
Biological reactivity tests - in vivo <88>: Class VI - 70 °C
Physicochemical tests for plastics according to <661>, so far applicable to polymer pellets (with no reference to the specific surface area requirements), including heavy metals, buffering capacity and non-volatile residue test with purified water extract.
Plastic materials of construction <661.1>: Identification, physicochemical and extractable metals (as listed in the chapter) tests.
Tests are made according to the current Pharmacopeia edition at the time of the testing (USP 36/37/39/41/42).

Elemental impurities

During the manufacturing process of this product, we neither use nor intentionally incorporate any Class 1, 2A, 2B or 3 elements as listed in the ICH Q3D(R2) Guideline on Elemental Impurities (May 2022).

DMF number

Material has been assigned the FDA Drug Master File number(s):
DMF 017927 (for material no. 24086 ex Porvoo)
DMF 028752 (for material no. 27148 ex Schwechat)

Additional information

If a customer wishes to take advantage of the pre-notice period in case of deletion or modification of Bormed grades, such pre-notice period needs to be included in Technical Delivery Specifications.

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Prepared by

Borealis, Group Product Stewardship

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Disclaimer

The product(s) mentioned herein are not intended for use as medical implant material or implantable medical devices and we do not support their use for such applications.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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