

Technical Datasheet info for Formulation 109

Aquaporin Z, water transporting porin is freely accessible in this formulation. Formulation quality is measured by pH and osmolality to make sure that Aquaporin Z protein can function for long periods of time. Formulation is available in kilogram quantities and ideal for use in thin film composite membrane fabrication.

Specifications

pH measurement:

≥ 7 to ≤ 8

ISO 19396-1:2017 (E) standard

Osmolality:

Specification to be determined, mosmol/kg

ISO 13099-2:2012. This standard provides guidelines for the determination of osmolality in aqueous solutions using freezing point depression osmometry.

HPLC-SEC:

Specification to be determined.

Measured by an internal method developed, AQMS Link

Preparation and Storage

Formulation 109 is ready to use without further preparation.

Formulation 109 should be stored in a tightly closed original container at dry and cool conditions: Max. 4°C, no freezing.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Formulation handling guideline for membrane manufacturers

Formulation 109 should be used in aqueous phase recipe in membrane coating process. Avoid contact with skin, eyes and clothing. After work, wash hands with water and mild soap. Avoid excessive heating. No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.