

Technical Datasheet info for Formulation 37

Aquaporin Z, water transporting porin is reconstituted into polymeric vesicles. Formulation quality is characterized by the size of the vesicles and other techniques. Formulation is available in kilogram quantities and ideal for use in thin film composite membrane fabrication.

Specifications

Hydrodynamic diameter:

100% \leq 250 nm, of that 60% \geq 100 nm

ISO 22412:2017(E) standard

Zeta potential:

≥ -5 to ≤ 5 mV

Measured by an internal method developed /
QC - Formulation - Zeta potential

pH measurement:

≥ 7 to ≤ 8

ISO 19396-1:2017 (E) standard

Faster exponential coefficient:

$\geq 1000/s$

Measured by an internal method developed /
QC - Formulation - Faster potential coefficient

Preparation and Storage

Formulation 37 is ready to use without further preparation.

Formulation 37 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 37 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.