

Issued : August 3, 2021

ADVANTEC

Toyo Roshi Kaisha, Ltd.
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Certificate

We hereby certify the quality of membrane filter as follows :

Product Name : Mixed Cellulose Ester type membrane filter
ITEM : A020H047A
LOT No. : 10322202
PORE SIZE : 0.20 μm
Use before : Mar. 31, 2024

Item	Result		
Bubble Point(MPa) *1	0.420 Min.		
Burst Strength(MPa)	0.285 Min.		
Water Flow Rate(mL/min \cdot cm ²) *2	15.6 Min.		
Thickness(μm)	134 Ave.		
RECOVERY (%)			
Pseudomonas diminuta ATCC 19146	101.5		
Sterility Test	Zero Growth		
Sterility Method		Sterilized by E.O.G.	

*1 Bubble Point is determined in accordance with ASTM F316-03 Standard Test Methods for Pore Size Characteristics of Membrane Filters by Bubble Point and Mean Flow Pore Test.

*2 Flow Rate is determined in accordance with ASTM F317-72 Standard Test Method for Liquid Flow Rate of Membrane Filters. Pressure -0.069MPa.



Authorized Signature