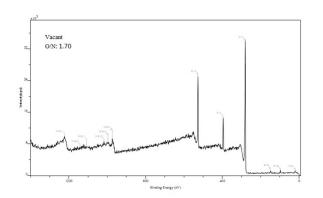
Supporting information

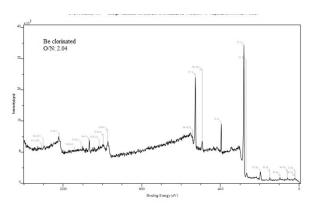
A novel semi-aromatic polyamide TFC reverse osmosis membrane fabricated from a dendritic molecule of trimesoylamidoamine through a two-step amine-immersion mode

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Table S1 Composition of the West Lake water after microfiltration

Species	Quantity
K ⁺ and Na ⁺ , mg/l	12.0
Ca ²⁺ , mg/l	30.8
Mg^{2+} , mg/I	2.3
Fe _(Total) ,mg/I	0.03
HCO ₃ -, mg/l	79.6
Cl-, mg/l	20.0
SO ₄ ²⁻ , mg/l	18.4
HA , mg/l	<5
NO ₂ -, mg/l	10.8
SiO ₂ , mg/l	8.0
Turbidity, NTU	0.8
$COD_{(Mn)}$, mg/I	4.3
Bacteria, CFU/ml	<150





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i) MPD-TMC membrane Non: 2.17 N

ii) DAP-TMAAM-TMC membrane

Figure S1 Variation of elemental composition from XPS analysis before and after chlorination of the RO membranes.