

Materials List for:

Microhoneycomb Monoliths Prepared by the Unidirectional Freeze-drying of Cellulose Nanofiber Based Sols: Method and Extensions

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Materials

Name	Company	Catalog Number	Comments
Nadelholz Bleached Kraft Pulp	Seioko PMC company	CSF=600	
TEMPO	Macklin Inc.	T819129	98%
NaBr	Macklin Inc.	S818075	AR, 99%
NaClO	Aladin Inc.	S101636	6-14 wt% active chlorine basis
SBR colloid	JSR corp.	TRD102A	48.5 wt%
TiO ₂	Sinopharm Chemical Reagent Co., Ltd.	A63725402	crystalline anatase phase
carbon fiber	Shenzhen Xian'gu Ltd.	XGCP-300	
Nitric acid	Huada Reagent Ltd.	7697-37-2	65-68 wt%
Mixer	Scientific Industries, Inc	G-560	the mixer
Mechanical blender	Waring Lab Ltd.	MX1000XTX	For disintegrating cellulose bundles into nanofibers.
Homogenizer	Scientz Ltd.	HXF-DY	For dispersing TiO ₂ nanoparticles
pH meter	Horiba Ltd.	F-74BW	