

Materials List for:

Chemical Precipitation Method for the Synthesis of Nb₂O₅ Modified Bulk Nickel Catalysts with High Specific Surface Area

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URL: <https://www.jove.com/video/56987>

DOI: [doi:10.3791/56987](https://doi.org/10.3791/56987)

Materials

Name	Company	Catalog Number	Comments
Niobium(V) oxalate hydrate, 98%	Alfa	L04481902	
Nickel nitrate hexahydrate, 99%	Aladdin	N108891	
Sodium hydroxide, 98%	Aladdin	S111501	
Ammonium hydroxide, 23-25%	Aladdin	A112077	
Anisole, 99%	Sinopharm	81001728	
Diphenyl ether, 98%	Aladdin	D110644	
Phenol, 98%	Sinopharm	100153008	
2-Methoxyphenol, 98%	Sinopharm	30114526	
Vanillin, 99.5%	Sinopharm	69024316	
Potassium hydroxide, AR	Aladdin	P112284	
N,N-Dimethylformamide, 99.5%	Sinopharm	40016462	
2-Bromoacetophenone, 98%	Aladdin	B103328	
Diethyl ether, 99.5%	Sinopharm	10009318	
Decane, 98%	Aladdin	D105231	
Dodecane, 99%	Aladdin	D119697	
Niobic acid	CBMM	1313968	
Heating and Drying Oven			DHG Series (shanghai jinghong laboratory instrument co. ltd)
Autoclave Reactor			CJF-0.05—0.1L (Dalian Tongda Equipment Technology Development Co., Ltd)
Tube furnace			SK2-1-10/12 (Luoyang Huaxulier Electric Stove Co., Ltd)
Heating magnetic stirrer			DF-101 (Yu Hua Instrument Co. Ltd.)
Rotary evaporator			RE-3000A (Shanghai Yarong Biochemical Instrument Factory)
Synthetic air			
Hydrogen gas			
Argon gas			