

Materials List for:

Detecting the Water-soluble Chloride Distribution of Cement Paste in a High-precision Way

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Materials

Name	Company	Catalog Number	Comments
Cement	Jiangnan Xiaoyetian	P.II. 52.5	
Potassium chromate, 99.7%	Tianjin Kemiou	HG391887	Toxic
Ethyl alcohol	Sinopharm	XK10009257	
Silver nitrate, 99.8%	Sinopharm	7761888	Toxic
Phenolphthalein, 99.5%	Tianjin Fuchen	XK1301100017	
Concentrated sulfuric acid, 98.3%	Shanghai Lingfeng	XK1301100085008	Highly corrosive
Sodium chloride, 99.7%	Xilong Scientific	XK1320100153	
Diesel oil	China Petroleum	0#	
Epoxy resin	Yifeng Chemical	E44-6101	
Deionized water	Beijing Liyuan	PUW-10N	
CNC Milling meachine	Foshan Xiandao Digital Technology	C31E	
Cement paste mixer	Wuxi Construction and Engineering	NJ160	
High precision cutting machine	Buehler	2215	
Mixing spot	Wuxi Construction and Engineering	JJ-5	
Scraper knife	Jinzheng Building Materials	CD-3	
Cling film	Miao Jie	65300	
Mold (70mm×70mm×70mm)	Jingluda	ABS707	
Plastic box	Fangao Household	32797	
Stainless steel brace	An Feng	316L	
Paper	Deli	A4	
Oven	Shanghai Huatai	DHG-9070A	
Automatic vibrator	Lichen	HY-4	
Vibrating table	Jianyi	GZ-75	
plastic film	Miao Jie	65303	
Vernier caliper	Links	601-01	
Electronic balance	Setra	BL-4100F	
Plastic bottle	Lining Plastic	454	
Brush	Huoniu	3#	
Mask	UVEX	3220	
Gloves	Ammex	TLFGWC	
Plastic cup	Maineng	MN4613	
Desiccator	Shenfei	GZ300	
Filter paper	Hangzhou Wohua	9614051	

Dropper	Huaou	1630	
Breaker	Huaou	1101	
Funnel	Huaou	1504	
Measuring cylinder	Huaou	1601	
volumetric flash	Huaou	1621	
Conical flash	Huaou	1121	
Pipette	Huaou	1633	
Burette	Huaou	1462	
Mortar	Huaou	YBMM254	
80µm sieve	Shanghai Dongxing	KJ-80	
Crucible	Oamay	GYGG	
Electric furnace	Tyler	SX-B06	