

Materials List for

Functionalization of Silver/Titanium Dioxide Composites in Chitosan-based Coatings and their Egg Preservation Performances

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Materials

Name	Company	Catalog Number	Comments
acetate	Aladdin	64-19-7	GR, 99.8%
Benzenesulfonic acid	Aladdin	03/11/1998	98%
Chitosan	Aladdin	9012-76-4	<200 mPa·s
Deionized water	prepared by ourselves	-	18 MΩ·cm
Electronic precision balance	Sartorius	BSA124S-CW	
Ethanol	Aladdin	64-17-5	≥99.8%
Formate	Aladdin	64-18-6	Standard for GC, >99%
pH meter	HeYi	PHS-25	
Scanning electron microscope	Hiatchi	SU8010	
Silver nitrate (AgNO ₃)	Aladdin	7761-88-8	≥99.9%
Sodium borohydride (NaBH ₄)	Aladdin	16940-66-2	98%
Temperature humidity chamber	YiHeng	LHS-50CH	
Titanium butoxide (TBOT)	Aladdin	5593-70-4	CP,98%