**Polyvinil alcohol coatings containing lamellar solids with antimicrobial activity**

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Figure S1: FT-IR spectra of the powders, ZnOH-LSH black line, ZnAl-LDH red line, ZnCuAl-LDH blue line



Figure S2: FT-IR spectra of the powders, ZnOH-CA black line, ZnAl-CA red line, ZnCuAl-CA blue line



Figure S3: FT-IR spectra of the powders, ZnOH-SAL black line, ZnAl-SAL red line, ZnCuAl-SAL blue line



Figure S4: PVA black line, ZnOH-LSH 1% brown line, ZnOH-LSH 5% dark red line, ZnOH-LSH 10% red line, ZnOH-LSH