

**Table 2. Characteristic FTIR transmittance peak and their assignments [wave no. (cm<sup>-1</sup>)]**

Sample name	Functional groups							
	-OH	CH <sub>2</sub> ,CH <sub>3</sub>	C=O	C=C	CH <sub>2</sub>	C-O	C-O-C	C-O-
CMG	3227	2971	1740			1150	1015	
HEMA	3427	2961	1717	1637	1459	1164	1077	1029
CMG-g-HEMA <sub>1.0/0.75</sub>	3298	2925	1720			1120	1038	998
CMG-g-HEMA <sub>1.0/0.75/0.5</sub>			1740					
CMG-g-HEMA <sub>1.0/0.75/1.0</sub>			1713					
CMG-g-HEMA <sub>1.0/0.75/2.0</sub>			1730					
CMG-g-HEMA <sub>1.0/0.75/3.0</sub>			1737					