

List of Tables

TABLE

	Page No.
Chapter-I Introduction and Literature Review	1-31
Table. 1.1 Dental materials and their strength	5
Chapter III Experimental Techniques	35-62
Table. 3.1 List of chemicals used	35
Table. 3.2 Batch composition and their abbreviations	42
Table: 3.3 Batch composition of different wt% of mechanochemically synthesized kalsilite and LTF	42
Table. 3.4 Batch composition of the bioactive glass-ceramic composites	42
Table.3.5 Chemical compositions of pine apple juice and acetic acid	55
Chapter IV Results and Discussion	
4.1 Mechanochemically Synthesized Leucite for Dental Veneering Glass Ceramics	63-80
Table 4.1 CTE, glass transition temperature (T_g) and softening point(SP) of all the samples fired at different temperature	67
Table 4.2 Flexural strength and Weibull statistical parameters of all the samples	71
Table.4.3 Leaching of ions from the leucite samples after immersion in 4% acetic acid and pineapple juice for 168 hrs	75
4.2 Mechanochemically Synthesized Kalsilite: Implementation as Dental Porcelain with Low Temperature Frit	81-98
Table. 4.4 Leaching of ions from the kalsilite samples after immersion in 4% acetic acid and pineapple juice for 168 hours.	94