



ANALYSIS

MINERAL COMPOSITION	Min %	Max %
Phillipsite	25	30
Chabazite	5	10
Altered basaltic glass (Palagonite)	50	60
Calcite	5	6
Olivine and altered olivine%	5	6
Gypsum		1

CHEMICAL PROPERTIES	
PH in 10% water slurry	7.3 – 7.8
Acid stability	Stable at very low pH of 2
Alkali stability	Stable at high pH of 14
Cation Exchange capacity	100 –150 meq/100 g
Cationic selectivity	K > NH ₄ > Na > Ca

CHEMICAL ANALYSIS	Wt. %
SiO ₂	42.0
Al ₂ O ₃	14.0
K ₂ O exchangeable (water insoluble)	1.5
MgO exchangeable (water insoluble)	4.8
CaO exchangeable (water insoluble)	4.5
P ₂ O ₅ exchangeable (water insoluble)	0.2

SCREEN ANALYSIS	% passing
8 mesh	100
10 mesh	98
20 mesh	55
40 mesh	30
60 mesh	20
100 mesh	10
200 mesh	5