

**ZMM® TransCanada Red Zeolite
Technical Data Sheet for All Particle Sizes**

Revised: January 3, 2019

Principal Zeolite Species: Analcime Zeolite

CHEMICAL FORMULA OF THE MINERAL ASSEMBLAGE		
Phase	Chemical Formula	WT.%
Analcime Zeolite	$\text{NaAlSi}_2\text{O}_6 \cdot \text{H}_2\text{O}$	41
Diopside	$\text{CaMgSi}_2\text{O}_6$	19
Microcline intermediate	KAlSi_3O_8	12
Orthoclase	KAlSi_3O_8	10
Hematite	$\alpha\text{-Fe}_2\text{O}_3$	8
Inosilicates/Phyllosilicates	$\sim(\text{Na,Ca})_{0.3}(\text{Al,Mg})_2\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$	5
Illite/Muscovite 2M1	$\sim\text{K}_{0.65}\text{Al}_{2.0}\text{Al}_{0.65}\text{Si}_{3.35}\text{O}_{10}(\text{OH})_2$	4
Quartz low	SiO_2	1
Calcite	CaCO_3	<1
Total		100



TransCanada Zeolite Quarry Area #3



Vesicular Flow Rock
red, small vesicles filled with zeolites