

	VIII.
Silica	55.80
Alumina	26.90
Peroxide of iron	1.53
Lime	9.01
Magnesia	.27
Potash	.86
Soda	4.77
Loss by ignition	.45
	<u>99.59</u>

In Château-Richer and its vicinity there are found boulders of a well-defined variety of the felspar rock, which has not yet been met with in place. The base is a coarsely granular felspar of a light reddish-gray colour and vitreous lustre, exhibiting everywhere distinct cleavages, and holding imbedded small bright grains of ilmenite, surrounded with thin films of brownish mica. The imbedded crystals of felspar are numerous, and are often 3 or 4 inches in length and breadth by an inch in thickness. The faces of perfect cleavage are beautifully striated, and the smaller crystals, which are often slender and well defined, are sometimes curved. Hardness, 6; density, 2.680 to 2.692; lustre, vitreous; colour, pale lavender blue, with pearly opalescence. Semitransparent, fracture conchoidal. Analysis IX. is a cleavable fragment from a boulder found at Château-Richer, and X. and XI. are from a similar and larger mass in the neighbouring parish of St. Joachim.

	IX.	X.	XI.
Silica	57.20	57.55	57.35
Alumina	26.40	27.10	27.30
Peroxide of iron	.40		
Lime	8.34	8.73	
Potash	.84	.79	
Soda	5.83	5.38	
Loss by ignition	.65	.20	.25
	<u>99.66</u>	<u>99.75</u>	

The district of Montreal also affords extensive exposures of these same felspar rocks, associated with crystalline limestone, in the counties of Leinster and Tenenboune. In the townships of Rawdon and Chertsey they are often fine-grained and homogeneous, and constitute an exceedingly tough rock, with an uneven subconchoidal fracture, and a feeble vitreous lustre; this variety is bluish or grayish-white in colour, somewhat translucent, and exhibits here and there the cleavage of grains of felspar. Great bodies of this rock are almost free from foreign minerals, while other portions abound in a green granular pyroxene, arranged in thin interrupted parallel layers with ilmenite. These layers