

MINERALOGY, APPROX. WT.% (or) RELATIVE ABUNDANCE

UNOCHZ  
13

SAMPLE NO.

CALCIUM ALUMINATE	QUARTZ	PLATE	KF	CEMENTITE	GOETHITE	HEM	MMON	MALITE	OPX	TRM	STRONG TITANE LEUCORITE	EPI	WIKRAMITE	STILPITE	CHLOR	CHL	SM	IL	ILISM	TRICRYSTALLINE
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↓ down to (1500-2000)

↑ reduce to (1500-2000)

160	BULK	TR	44			3	18		2											23	fg/ass	
200	BULK	(3?) TR	61			TR	21		8											3	+ ilmenite?	
	CLAY																				100	
300	BULK	62	5	27		TR	1	1					TR								4	still some glass - dentite
400	BULK	4	26				4	14					7								43	
	CLAY												TR								100	recrystallized coarse - contained
600	BULK	3	40		6		10	31					3								8	
	CLAY												TR								100	
800	BULK	(6?) TR	37		3		1	21					TR								+18	+ trace of dentite
	CLAY												TR								100	+ opx
1000	BULK	TR	4	34		5	3	18	1	2		TR		2							31	
1100	BULK		5	34		8	+8	19	1	1		2		5							9	+ speccular
	CLAY													45							55	+ no crystalline
1200	BULK		11	15	4?	10		12	15	1	TR		7	3							11	4
	CLAY																				82	18
1300	BULK		5	25	6?	12		1	12	3	(10)		4	1	TR						14	2
1400	BULK		2	32		3		1	24	2	(13)				TR						1	+11
	CLAY																				18	82
1460	BULK		6	29	(3)	4			11	3	(2)		10	TR							8	+7
1500	BULK		5	30	12	32	2		3	1	1		3	1	5						1	1
1600	BULK		5	26	19	33	2		2	2	TR										2	2
	CLAY																				57	19
1710	BULK		5	25	(15)	37	TR			1	2										2	1
	CLAY																				36	3

CR-OK

check path

MM = PREDOMINANT · M = MAJOR m = MINOR Tr = TRACE ? = TENTATIVE IDENTIFICATION

+ DR GREEN SAMPLE

HOPE IL-SM NOT IN CEMENT



SUMMARY OF X-RAY DIFFRACTION ANALYSIS  
UNIVERSITY OF UTAH RESEARCH INSTITUTE, EARTH SCIENCE LABORATORY