Ontario

LS-609 (Part A) - Coarse Aggregate Petrographic Analysis (Petrographic Number, PN)

SAMPLE #:	**ANALYST:**		**DATE TESTED:**
TESTING LAB:	**TEL:**	**FAX:**	**LAB #:**
SAMPLED BY:	**DATE SAMPLED:**		**SAMPLE TYPE:**
SOURCE NAME:	**SOURCE LOCATION:**		**MAIDB #:**
AGGREGATE TYPE:	**AGGREGATE PRODUCT:**		**LOT #:** / **SUBLOT #:**
CONTRACT:	**CONTRACT LOCATION/HWY.:**		**CONTRACTOR:**

TYPE	TYPE No.	/ R19		P19.0 / R13.2		P13.2 / R9.5		P 9.5 / R4.75		Weighted Composition (%)
		Mass (g)	% of Fraction	Mass (g)	% of Fraction	Mass (g)	% of Fraction	Mass (g)	% of Fraction	
CARBONATE (hard; silty, hard)	01									
CARBONATE (surface weathering; silty, surface weathering; medium hard; silty, medium hard)	20									
CARBONATE (sandy, hard or medium hard)	02									
CARBONATE (slightly cherty: <5% chert)	21									
MARBLE (hard or medium hard)	23									
CONGLOMERATE – SANDSTONE – ARKOSE (hard)	03									
CONGLOMERATE – SANDSTONE – ARKOSE (medium hard)	22									
GREYWACKE – ARGILLITE (hard or medium hard)	06									
GNEISS – AMPHIBOLITE – SCHIST (hard)	04									
QUARTZITE	05									
GRANITE – DIORITE – GABBRO (hard)	08									
VOLCANIC (hard or medium hard)	07									
TRAP (hard)	09									
QUARTZ (vein or pegmatitic)	10									
TOTAL GOOD AGGREGATE	–									
CARBONATE (soft; silty, soft; slightly shaley)	35									
CARBONATE (soft; pitted)	41									
CARBONATE (deeply weathered; silty, deeply weathered)	42									
CARBONATE (sandy, soft)	40									
MARBLE (brittle)	24									
CHERT – CHERTY CARBONATE (< 20% leached chert)	26									
CONGLOMERATE – SANDSTONE – ARKOSE (brittle)	30									
GREYWACKE (brittle)	29									
ENCRUSTATION	52									
GNEISS – AMPHIBOLITE – SCHIST (brittle)	25									
ARGILLITE (medium soft)	34									
GRANITE – DIORITE – GABBRO (brittle)	27									
VOLCANIC (soft)	28									
TOTAL FAIR AGGREGATE	–									
CARBONATE (shaley; clayey; silty, clayey)	43									
CARBONATE (ochreous; sandy, ochreous)	44									
MARBLE (friable)	49									
CHERT – CHERTY CARBONATE (≥ 20% leached chert)	45									
CONGLOMERATE – SANDSTONE – ARKOSE (friable)	46									
SILTSTONE	56									
CEMENTATION (partial)	53									
CEMENTATION (total)	54									
GNEISS – AMPHIBOLITE (friable)	50									
SCHIST (soft)	55									
GRANITE – DIORITE – GABBRO (friable)	51									
VOLCANIC (very soft, porous)	48									
TOTAL POOR AGGREGATE	–									
OCHRE	60									
SHALE	61									
CLAY	62									
VOLCANIC – GNEISS – SCHIST (decomposed)	63									
TOTAL DELETERIOUS AGGREGATE	–									
Estimate % Crushed = .	**TOTALS**									
	CONTAMINANTS (Not included in PN calculations)									
	Totals (with contaminants)									

Additional Information:										**Weighted Average PN**
	% GOOD	X 1 =		X 1 =		X 1 =		X 1 =		
	% FAIR	X 3 =		X 3 =		X 3 =		X 3 =		
	% POOR	X 6 =		X 6 =		X 6 =		X 6 =		
	% DELETERIOUS	X 10 =		X 10 =		X 10 =		X 10 =		
	PN =									

COARSE AGGREGATE GRADATION OF AS-RECEIVED SAMPLE, % RETAINED

P75.0/R53.0	P53.0 /R37.5	P37.5 / R26.5	P26.5 / R19.0	P19.0 / R13.2	P13.2 / R9.5	P 9.5 / R4.75