

# Salmon Valley Sand & Gravel General Testing Aggregate Testing (Micro Deval)

TESTED SAMPLE DATA			CALCULATION
SIEVE SIZES	TESTED SAMPLE (1) TRIAL 1	TESTED SAMPLE (1) TRIAL 2	
Passing	Retained	(Grams)	(Grams)
19mm - 16mm	374.9		Formula  Percent loss = 100 x $\frac{(A - B)}{A}$
16mm - 12.5mm	374.9		
12.5mm - 9.5mm	749.8		
Total: <b>(A)</b>	<b>1499.6</b>		
Retained on 1.18mm <b>(B)</b>	1354.1		
<b>TEST RESULT</b>	<b>9.7%</b>		<b>AVERAGE</b> <b>9.7%</b>

Table X1.1	
Application	Maximum Micro-Deval Abrasion Loss (%)
Granular Sub-Base	30
Granular Base	25
Open-Graded Base Course	17
<b>Structural Concrete</b>	<b>17</b>
Concrete Pavement	13
Asphalt Base Course & Secondary Road Surface	21
Asphalt Concrete Surface Course	17-18

Comments: Test result meets requirement for Structural Concrete. (Table X1.1)  
-9.5 aggregate removed prior to testing.