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## STIRLINGHILL QUARRY

Boddam

Peterhead

AB42 3PB

01779 475003

Date Sampled	Property	Specification	Result	Unit
13/02/2015	Particle Density & Absorption ( <i>PD&amp;A</i> )	<i>BS EN 1097-6</i>		
	<i>Apparent Density (A)</i>		2.63	Mg/m <sup>3</sup>
	<i>Oven Dried Density (OD)</i>		2.57	Mg/m <sup>3</sup>
	<i>Saturated Surface Dry Density (SSD)</i>		2.59	Mg/m <sup>3</sup>
	<i>Water Absorption (WA)</i>		1.00	%
05/08/2014	Polished Stone Value ( <i>PSV</i> )	<i>BS EN 1097: Part 8</i>	57	Value
09/12/2013	Polished Stone Value ( <i>PSV</i> )	<i>BS EN 1097: Part 8</i>	57	Value
11/01/2013	Polished Stone Value ( <i>PSV</i> )	<i>BS EN 1097: Part 8</i>	55	Value
13/02/2015	Aggregate Abrasion Value ( <i>AAV</i> )	<i>BS EN 1097: Part 8</i>	4.3	Value
13/02/2015	Magnesium Sulphate Soundness Value ( <i>MSSV</i> )	<i>BS EN 1367: Part 2</i>	4	%
01/04/2014	Los Angeles Coefficient Value ( <i>LA</i> )	<i>BS EN 1097: Part 2</i>	33	%
	Los Angeles Coefficient Value ( <i>LA - Rail Ballast</i> )	<i>BS EN 1097: Part 2</i>		%
13/02/2015	Micro Deval ( <i>MD - Aggregate</i> )	<i>BS EN 1097: Part 1</i>	13	Value
	Micro Deval ( <i>MD - Rail Ballast</i> )	<i>BS EN 1097: Part 1</i>		Value
17/07/2013	Alkali Silica Reactivity ( <i>ASR</i> )	<i>BS 812: 104 &amp; BS EN 932: 3</i>	Low	n/a
01/04/2014	Drying Shrinkage Value ( <i>Dshrink</i> )	<i>BS EN 1367: Part 4</i>	0.022	%
	Linear Coefficient of Thermal Expansion ( <i>LCoTE</i> )	<i>3PC/06/01</i>		mm/°C
13/02/2015	Frost Heave ( <i>FH - Type I Sub-Base</i> )	<i>BS 812: Part 124</i>	4.3	mm
13/02/2015	<i>Plasticity</i>	<i>BS 1377: Part 2</i>	NP	n/a
	Frost Heave ( <i>FH - Recycled Type I Sub-Base</i> )	<i>BS 812: Part 124</i>		mm
	<i>Plasticity</i>	<i>BS 1377: Part 2</i>		n/a
13/02/2015	Potential Hydrogen Value ( <i>pH</i> )	<i>BS 1377: Part 3</i>	8.6	Value
13/02/2015	Total Potential Sulphate Content	<i>TRL Report 447 Test No. 4</i>	<0.03	%
13/02/2015	Oxidisable Sulphides Content ( <i>as OS</i> )	<i>TRL Report 447 Test No. 2 &amp; 4</i>	<0.01	%
13/02/2015	Total Sulphur Content ( <i>as S</i> )	<i>BS EN 1744: Part 1</i>	<0.1	%
13/02/2015	Soluble Sulphate Content (Water) ( <i>as SO<sub>3</sub></i> )	<i>BS EN 1744: Part 1</i>	<0.01	%
13/02/2015	Soluble Sulphate Content (Water) ( <i>as SO<sub>4</sub></i> )	<i>BS EN 1744: Part 1</i>	<0.01	%
13/02/2015	Soluble Sulphate Content (Acid)	<i>BS EN 1744: Part 1</i>		%
13/02/2015	Sulphide Content ( <i>as S</i> )	<i>BS EN 1744: Part 1</i>	0.19	%
13/02/2015	Chloride Content ( <i>as C</i> )	<i>BS EN 1744: Part 1</i>	<0.001	%
13/02/2015	Calcium Carbonate Content ( <i>as CaCo<sub>3</sub></i> )	<i>BS EN 196: Part 2</i>	1	%
	Total Neutralising Value ( <i>TNV</i> )	<i>BS 6463: Part 2</i>		%