



HOLME HALL QUARRY, STANTON, ROTHERHAM, SOUTH YORKSHIRE, S66 7RD.

PETROLOGICAL CLASSIFICATION: DOLOMITIC LIMESTONE

TEST METHOD	BS EN / BS 812	RESULT	DATE	REPORT N°
Oven-Dried Particle Density – 4/10mm	1097-6: 2013	2.41Mg/m ³	01/02/2016	STR449563
S.S.D. Particle Density – 4/10mm	1097-6: 2013	2.50Mg/m ³	01/02/2016	STR449563
Apparent Particle Density – 4/10mm	1097-6: 2013	2.64Mg/m ³	01/02/2016	STR449563
Water Absorption – 4/10mm	1097-6: 2013	3.6%	01/02/2016	STR449563
Dry Aggregate Impact Value (AIV)	812: Part 112	23%	29/03/2016	STR457612
Aggregate Abrasion Value (AAV)	1097-8: 2009	15	29/03/2016	STR457618
Micro Deval Coefficient (MD)	1097-1: 2011	21	29/03/2016	STR457615
Los Angeles Coefficient (LA)	1097-2: 2010	32	29/03/2016	STR457614
Methylene Blue (MB)	933-9: 2009	1.3g/kg	01/02/2016	STR449571
Chloride Ion Content	1744-1: 2009	0.001%	01/02/2016	STR449541
Total Sulfur Content	1744-1: 2009	<0.1%	01/02/2016	STR449545
Calcium Carbonate Equivalent	196-2: 2005	14.21%	01/02/2016	STR449546
Water Soluble Sulfate Content SO ₃	1744-1: 2009	<0.01%	01/02/2016	STR449572
Soaked 10% Fines Value (TPV)	812: Part 111	280kN	29/03/2016	STR457611
Magnesium Sulfate Value (MS)	1367-2: 2009	3	29/03/2016	STR457616
Acid Soluble Sulphur Content	1744-1: 2009	0.1%	01/02/2016	STR449573
Acid Soluble Sulfate Content (SO ₃)	1744-1: 2009	<0.1%	01/02/2016	STR449543
Oxidisable Sulphides (OS)	TRL Report 447-3	<0.01%	01/02/2016	STR449544

TEST METHOD	RESULT	DATE	REPORT N°	POLISHED STONE VALUE (PSV) RESULTS		
Frost Heave	3.2mm	02/07/2016	51015620/16/07	56	29/03/2016	STR457617
Frost Heave OMC	7.7%	02/07/2016	51015620/16/03			
Dry Density	2.28Mg/m ³	02/07/2016	51015620/16/07			
Soaked 10% Fines Value (TPV)	100kN	02/07/2016	51015620/16/02			

CHEMICAL ANALYSIS	
Date: 23/04/2016	46181905-HH-0018
SiO ₂	1.06%
TiO ₂	0.01%
Al ₂ O ₃	0.29%
Fe ₂ O ₃	0.34%
MgO	20.72%
Mn ₃ O ₄	0.11%
CaO	30.31%
SO ₃	<0.03%
Cr ₂ O ₃	<0.01%
K ₂ O	0.08%
Na ₂ O	0.03%
P ₂ O ₅	<0.01%
BaO	<0.01%
SnO ₂	<0.01
ZrO ₂	<0.01%
HfO ₂	<0.01%
PbO	<0.01%
ZnO	0.01
BaO	<0.01
SrO	<0.01
Loss on Ignition	47.11%