

O.C.O. Technology Ltd (Brandon)

October 2021 Test Certificate  
Block Mix 0-16mm

EN 13055-1

Lightweight aggregates obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates for use in concrete, mortar and grout

	Average	Declared	
Acid soluble sulfate <sup>1</sup>	3.70	<4	(%)
Apparent density <sup>2</sup>	3.3	NPD	
Bulk density <sup>2</sup>	915	1100±100	(kg/m <sup>3</sup> )
Compressive strength <sup>3</sup>	0.28	>0.1	(Mpa)
Crushing resistance <sup>4</sup>	9.57	>5	(N/mm <sup>2</sup> )
Dioxin	142.00	<600	(ng/kg)
Leaching <sup>5</sup>			
As	<0.01	<0.5	(mg/kg)
Ba	31.02	<50	(mg/kg)
Cd	<0.001	<0.04	(mg/kg)
Cr	0.22	<1.5	(mg/kg)
Cu	0.07	<0.15	(mg/kg)
Hg	<0.01	NPD	(mg/kg)
Mo	0.84	<1	(mg/kg)
Ni	<0.01	<0.4	(mg/kg)
Pb	0.27	<3	(mg/kg)
Sb	<0.01	<0.06	(mg/kg)
Se	<0.02	<0.1	(mg/kg)
Zn	0.44	<3.5	(mg/kg)
Cl	55.42	<75	(g/kg)
SO <sub>4</sub>	0.69	<5	(g/kg)
Los Angeles <sup>2</sup>	50	NPD	(%)
Magnesium sulfate <sup>6</sup>	1.00	<18	(%)
Oven dried density <sup>2</sup>	1.87	NPD	
Oxidisable sulfides <sup>1</sup>	1.76	NPD	(%)
Particle size <sup>7</sup>			
50mm	100		(% passing)
40mm	100		(% passing)
31.5mm	100		(% passing)
20mm	100		(% passing)
16mm	95.8	>90	(% passing)
10mm	65.61		(% passing)
8mm	44.36		(% passing)
6.3mm	29.66		(% passing)
4mm	17.97		(% passing)
2mm	9.21		(% passing)
1mm	3.60	<10	(% passing)
63um	0.72		(% passing)
Saturated density <sup>2</sup>	2.30	NPD	
Total sulfur <sup>1</sup>	1.60	<2	(%)
Water absorption <sup>2</sup>	33.95	20±4	(%)
Water content <sup>2</sup>	15.47	NPD	(%)
Water soluble chloride <sup>1</sup>	4.36	<7.5	(%)
Water soluble sulfate <sup>1</sup>	0.08	<0.5	(%)

<sup>1</sup> BS EN 1744, <sup>2</sup> BS EN 1097, <sup>3</sup> End of Waste method, <sup>4</sup> BS EN 13055, <sup>5</sup> BS EN 12457, <sup>6</sup> BS EN 1367, <sup>7</sup> BS EN 933