



0615

LAVA MINING AND QUARRYING S.A.

19,3 km Markopoulou Avenue 19002 Paiania Athens - Greece

05

0615-CPR-9981

EN 13055-1

PUMICE

GERMAN (0/16mm)

Issue Date: 15/10/2013

Loose bulk density (wet) (Mg/m ³)	0,760 (Min/Max: 0,730/0,810)	EN 1097-3												
Particle density (Mg/m ³)	NPD ⁽¹⁾	EN 1097-6:, annex C												
Grading (%)	<table border="1"> <thead> <tr> <th>Sieve (mm)</th> <th>Passin g (%)</th> <th>Range (%)</th> </tr> </thead> <tbody> <tr> <td>12.5</td> <td>95</td> <td>90-100</td> </tr> <tr> <td>8</td> <td>37</td> <td>27-47</td> </tr> <tr> <td>4</td> <td>18</td> <td>10-26</td> </tr> </tbody> </table>	Sieve (mm)	Passin g (%)	Range (%)	12.5	95	90-100	8	37	27-47	4	18	10-26	EN 933-1 ⁽²⁾
	Sieve (mm)	Passin g (%)	Range (%)											
	12.5	95	90-100											
8	37	27-47												
4	18	10-26												
Fines (%)	NPD ⁽¹⁾	EN 933-1 ⁽²⁾												
Water absorption (%)	NPD ⁽¹⁾	EN 1097-6:, annex C												
Water content	16-26%	EN 1097-5(calc upon wet mass)												
Crushing resistance (N/mm ²)	NPD ⁽¹⁾	EN 13055-1, annex A												
Percentage of crushed particles (%)	NPD ⁽¹⁾	EN 933-5												
Resistance to disintegration (%)	NPD ⁽¹⁾	EN 13055-1, annex B												
Freezing and thawing resistance (%)	NPD ⁽¹⁾	EN 13055-1:, annex C												
Chloride (%)	0.003- 0.043%	EN 1744-1, clause 7												
Acid soluble sulfates (%)	0.0- 0.07%	EN 1744-1, clause 12												
Total sulfur (%)	0.0- 0.034%	EN 1744-1: clause 11												
Organic contaminators (%)	No harmful contaminators	EN 1744-1 15.1, 15.2												
Alkali – silica reactivity	Non reactive	ASTM C289 XP-P18594												
Dangerous substances. In particular:														
Emission of radioactivity														
Release of heavy metals	NPD ⁽¹⁾													
Release of polyaromatic carbons														

⁽¹⁾ No Performance Determined, ⁽²⁾: dry sieving