



*Sharp and Howells Pty Ltd*

**CHEMICAL LABORATORIES**

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NATA Lab. No. 61

Est. 1922

## TEST REPORT NO.: 18 – 0034

**Report Date:** 14<sup>th</sup> February 2018  
**Client:** Fire Combat Australia Pty Ltd  
**Address:** 19/Level 44 MLC Centre,  
**SYDNEY, NSW, 2000**  
**Attention:** Peter Jones  
**By Email:** [sales@firecrunch.com.au](mailto:sales@firecrunch.com.au)  
**Date Received:** 5<sup>th</sup> February 2018  
**Sample:** 1 of Board Material  
**Our Reference:** 18/A/0199  
**Purchase Order:** FCA 1951  
**Sampled By:** Client  
**Analysis:** *Elemental X-Ray Fluorescence (XRF)*

Yours faithfully,  
**Sharp and Howells Pty. Ltd.**

Pietro Barilla  
BSc. (PhD), C.Chem. MRACI  
Chemist

Maria Zaksek  
BSc C.Chem. MRACI  
Senior Chemist

**RESULTS OF ANALYSIS:**

Our Reference:	18/A/0199
Silicon, as SiO <sub>2</sub> , % w/w:	7.13
Titanium, as TiO <sub>2</sub> , % w/w:	Less than 0.10
Aluminium, as Al <sub>2</sub> O <sub>3</sub> , % w/w:	0.85
Iron, as Fe <sub>2</sub> O <sub>3</sub> , % w/w:	0.89
Manganese, as Mn <sub>2</sub> O <sub>3</sub> , % w/w:	0.04
Magnesium, as MgO, % w/w:	41.58
Calcium, as CaO, % w/w:	2.29
Sodium, as Na <sub>2</sub> O, % w/w:	0.40
Potassium, as K <sub>2</sub> O, % w/w:	0.24
Phosphorus, as P <sub>2</sub> O <sub>5</sub> , % w/w:	Less than 0.10
Total Sulphate as SO <sub>3</sub> , % w/w:	4.29
Chloride, as Cl <sup>-</sup> , % w/w:	0.004
105 – 925°C LOI, % w/w:	42.23

**Notes:**

*This laboratory was not involved with, consulted, or requested to undertake sampling of the test specimens provided, and testing of those test specimens has been conducted on the samples as they were received (or pre-treated as noted in the laboratory Test Report for those test specimens).*

*Accordingly, no responsibility is taken by this laboratory or its agent for the integrity, authenticity, appropriateness, or representativeness, of any of the test specimens provided and this fact must be taken into account when reviewing, comparing or checking the test results published in the corresponding Test Report provided.*

*The results of analysis are expressed on the sample as received unless otherwise specified or requested by the client. Unless otherwise notified, all samples will be disposed of in three months from reporting date.*