



Services, Department Finance, Services & Innovation 2022

0 50 100 150 200 m



Lismore City Council
 43 Oliver Avenue
 Goonellabah NSW 2480
 Post: PO Box 23A, Lismore
 NSW 2480
 Phone: 1300 87 83 87
 Fax: 02 66 250 400
 Email:
 council@lismore.nsw.gov.au
 Web:
 www.lismore.nsw.gov.au

© Lismore City Council.
 © LPI Department of Finance and Services, Panorama Avenue, Bathurst, 2795. www.lpi.nsw.gov.au.
 While every care is taken to ensure the accuracy of this product, Lismore City Council and the Local / State / Federal Government departments and Non-Government organisations whom supply datasets, make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

Created By: Elisha Wert

Projection: GDA2020 / MGA zone 56

Date: 30/10/2023 2:14 PM

Blast Monitoring Results Summary

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----|
| Customer | Blakebrook Quarry | |
| Date of blast | 07/02/2025 | |
| Time of Blast | 2.00pm | |
| Blast number | 9 | |
| Monitor Location | Location 2 (█ Kerrong Road, Blakebrook) | |
| Monitor name/ model details: | InstanTel Micromate | |
| Monitor Serial no | UM10341 | |
| Calibration date | 11/06/2024 – 11/06/2025 | |
| Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006. | | Yes |
| Airblast overpressure result (dB) | 104.1 dB(L) | |
| Ground vibration result (PPV) | 0.748 mm/s | |
| Licence limits | Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s | |
| Comments | Good | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----|
| Monitor Location | Location 8 (█ Nimbin Road, Blakebrook) | |
| Monitor name/ model details: | InstanTel Micromate | |
| Monitor Serial no | UM21716 | |
| Calibration date | 03/07/2024 – 03/07/2025 | |
| Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006. | | Yes |
| Airblast overpressure result (dB) | 105.1 dB(L) | |
| Ground vibration result (PPV) | 3.713 mm/s | |
| Licence limits | Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s | |
| Comments | Good | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----|
| Monitor Location | Location 4 ([REDACTED] Booyerie Creek Rd, Booyerie Creek) | |
| Monitor name/ model details: | InstanTEL MiniMate Plus | |
| Monitor Serial no | BE22005 | |
| Calibration date | 11/11/2024 – 11/11/2025 | |
| Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006. | | Yes |
| Airblast overpressure result (dB) | <88 dB(L) | |
| Ground vibration result (PPV) | 0.696 mm/s | |
| Licence limits | Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s | |
| Comments | Good | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----|
| Monitor Location | Additional Residence ([REDACTED] Rosehill Road, Blakebrook) | |
| Monitor name/ model details: | InstanTEL Micromate | |
| Monitor Serial no | UM10342 | |
| Calibration date | 11/06/2024 – 11/06/2025 | |
| Instrumentation used to measure the airblast overpressure and ground vibration levels meets the requirements of Australian Standard AS 2187.2-2006. | | Yes |
| Airblast overpressure result (dB) | No Trigger Due to under 105dB(L) | |
| Ground vibration result (PPV) | No Trigger Due to under 0.5mm/s | |
| Licence limits | Airblast overpressure - 115 dB Ground vibration (PPV) - 5mm/s | |
| Comments | Monitor did not trigger due to vibration and over pressure levels being under the 0.5 mm/s and 105 dB(L) limits. | |

Calibration Certificate

Description: Micromate System DIN Geophone

Part Number: 721A0501-2m

Serial Number: UM10341

Calibration Date: 11 June 2024

| Test Reference | Model | Serial No. |
|----------------------------------|------------|------------------------------------------|
| LDS Shaker | V450 | 99333/1 |
| LDS Shaker | V555 | 429000/1 |
| Labworks Power Amplifier | PA138 | 138-1835 |
| Linear Power Amplifier with FPS | LPA1000 | N/A |
| Crystal Instruments | Spider-81B | 1322944,1310560 |
| Signal Conditioner | 482A21 | 02168,08878,10540 11664, 11736, 11572 |
| ICP Accelerometer | 333B30 | 40895, LW67182 |
| ICP Accelerometer | 333B40 | 64868, 58615 |
| ICP Accelerometer | 333B05 | 51111, 51110 |
| Fluke Multimeter | 8808A | 2315028,2308077 |
| Remote Facility Calibration Tool | 721A1601 | N/A |

Saros certifies that the above product was calibrated by an authorised technician in accordance with manufacturer's specifications and to Australian Standards AS2187.2-2006. Calibration procedures were also conducted in accordance with AS/NZS ISO 9001:2015 quality standards.

Saros further certifies that equipment references used to complete this calibration are traceable to registered equipment standards used by the National Institute of Standards and Testing

The manufacturer recommends the product be calibrated on an annual basis by an authorised service and calibration facility.

Certified by:



Andrew Niven



Certificate No. AU1307

Saros (International) Pty Ltd
Unit 3, 11 Parkview Street
Milton QLD 4064

Ph: +61(7) 3367 3400
service@saros.com.au



Authorised InstanTel Dealer and
Calibration and Service Facility

Calibration Certificate

Description: Minimate Plus Base Unit

Part Number: 716A0403

Serial Number: BE22005

Calibration Date: 11 November 2024

| <u>Test Reference</u> | <u>Model</u> | <u>Serial No.</u> |
|------------------------------|--------------|-------------------|
| Fluke Multimeter | 8808A | 2315028,2308077 |
| InstanTel Zero/Gain Test Jig | 718A1510-10 | N/A |

Saros certifies that the above product was calibrated by an authorised technician in accordance with manufacturer's specifications and to Australian Standards AS2187.2-2006. Calibration procedures were also conducted in accordance with AS/NZS ISO 9001:2015 quality standards.

Saros further certifies that equipment references used to complete this calibration are traceable to registered equipment standards used by the National Institute of Standards and Testing

The manufacturer recommends the product be calibrated on an annual basis by an authorised service and calibration facility.

Certified by:



Andrew Niven

Saros (International) Pty Ltd
Unit 3, 11 Parkview Street
Milton QLD 4064

Ph: +61(7) 3367 3400
service@saros.com.au



Certificate No. AU1307



Authorised InstanTel Dealer and
Calibration and Service Facility

Calibration Certificate

Description: Micromate Systems ISEE Geophone

Part Number: 721A0401-2m

Serial Number: UM21716

Calibration Date: 03 July 2024

| Test Reference | Model | Serial No. |
|----------------------------------|------------|------------------------------------------|
| LDS Shaker | V450 | 99333/1 |
| LDS Shaker | V555 | 429000/1 |
| Labworks Power Amplifier | PA138 | 138-1835 |
| Linear Power Amplifier with FPS | LPA1000 | N/A |
| Crystal Instruments | Spider-81B | 1322944,1310560 |
| Signal Conditioner | 482A21 | 02168,08878,10540 11664, 11736, 11572 |
| ICP Accelerometer | 333B30 | 40895, LW67182 |
| ICP Accelerometer | 333B40 | 64868, 58615 |
| ICP Accelerometer | 333B05 | 51111, 51110 |
| Fluke Multimeter | 8808A | 2315028,2308077 |
| Remote Facility Calibration Tool | 721A1601 | N/A |

Saros certifies that the above product was calibrated by an authorised technician in accordance with manufacturer's specifications and to Australian Standards AS2187.2-2006. Calibration procedures were also conducted in accordance with AS/NZS ISO 9001:2015 quality standards.

Saros further certifies that equipment references used to complete this calibration are traceable to registered equipment standards used by the National Institute of Standards and Testing

The manufacturer recommends the product be calibrated on an annual basis by an authorised service and calibration facility.

Certified by:



Andrew Niven



Certificate No. AU1307

Saros (International) Pty Ltd
Unit 3, 11 Parkview Street
Milton QLD 4064

Ph: +61(7) 3367 3400
service@saros.com.au



Authorised InstanTel Dealer and
Calibration and Service Facility