|  |  |
| --- | --- |
| SAMPLE A | |
| Participant Reference | R. Dalgliesh |
| Measurement Date/Time | 23/5/2021 |
| Measurement Number | 10499+104706,10500 +104707,10501 +104708  Transmissions 104695 |
| Mean Q resolution (%) | 2.55 |
| Wavelength of Radiation Å | 0.55-6.5 |
| Longitudinal footprint  (< 45 mm) | 59mm |
| Transverse footprint (< 25 mm) | 30mm |
| Do the footprints vary as a function of Q? | No |
| If footprints vary,  how do they vary? |  |
| Acquisition type | TOF, Angle |
| Have footprint corrections been applied? | No |
| Sample geometry | Horizontal |
| Radiation used | Neutron |
| Geometry of experiment | Air-Solid |
| Overall acquisition time (excluding direct beams) (s) | 12600 |
| Other notes |  |

**Comments:**

|  |  |
| --- | --- |
| SAMPLE B | |
| Participant Reference | R. Dalgliesh |
| Measurement Date/Time | 23/5/2021 |
| Measurement Number | 10496+104703,10497 +104704,10498 +104705  Transmissions 104695 |
| Mean Q resolution (%) | 2.5 |
| Wavelength of Radiation Å | 0.55-6.5 |
| Longitudinal footprint  (< 45 mm) | 59 |
| Transverse footprint (< 25 mm) | 30 |
| Do the footprints vary as a function of Q? | No |
| If footprints vary,  how do they vary? |  |
| Acquisition type | TOF/Angle |
| Have footprint corrections been applied? | No |
| Sample geometry | Horizontal |
| Radiation used | Neutron |
| Geometry of experiment | Air/Solid |
| Overall acquisition time (excluding direct beams) (s) | 12600 |
| Other notes |  |

|  |  |
| --- | --- |
| SAMPLE A | |
| Participant Reference | R. Dalgliesh |
| Measurement Number | 10499+104706,10500 +104707,10501 +104708  Transmissions 104695 |
| Radiation used | Neutron |
| Data analysis package | RasCAL |
| Did you account for resolution smearing? | Yes |
| 2 | 3.66 |
| Number of layers | 2 |
| Scale factor | 0.91 |
| Background (assumed linear) | (1.50±1.39)e-6 |
| SLD fronting / 10-6 Å-2 | 0.0 |
| SLD backing / 10-6 Å-2 | 2.073 |
| Substrate Roughness / Å | 5.66±2.86 |

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| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å** | **Real SLD / 10-6 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) | 62.27±0.79 | (6.225±0.078)e-6 | 0.0 | 8.04±1.56 |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

**Parameters**

Report uncertainties as ±1 standard deviation on the following parameters. If you fixed a parameter do not report an uncertainty. Please attach an extra page outlining other non-structural parameters used during the fit.

|  |  |
| --- | --- |
| SAMPLE B | |
| Participant Reference | M. Skoda |
| Measurement Number | 10496+104703,10497 +104704,10498 +104705  Transmissions 104695 |
| Radiation used | Neutron |
| Data analysis package | RasCAL |
| Did you account for resolution smearing? | Yes |
|  2 | 2.71 |
| Number of layers | 1 |
| Scale factor | 0.965±0.012 |
| Background (assumed linear) | (4.0±2.8)e-6 |
| SLD fronting / 106 Å-2 | 0.0 |
| SLD backing / 106 Å-2 | 2.073 |
| Substrate Roughness / Å | 5.2±4.4 |

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| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å** | **Real SLD /**  **10-6 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) | 717.6±6.0 | 6.11±0.015 | 0.0 | 8.5±1.8 |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |