|  |  |
| --- | --- |
| SAMPLE A | |
| Participant Reference | M. Skoda |
| Measurement Date/Time |  |
| Measurement Number |  |
| Mean Q resolution (%) |  |
| Wavelength of Radiation Å |  |
| Longitudinal footprint  (< 45 mm) |  |
| Transverse footprint (< 25 mm) |  |
| Do the footprints vary as a function of Q? |  |
| If footprints vary,  how do they vary? |  |
| Acquisition type |  |
| Have footprint corrections been applied? |  |
| Sample geometry |  |
| Radiation used |  |
| Geometry of experiment |  |
| Overall acquisition time (excluding direct beams) (s) |  |
| Other notes |  |

**Comments:**

|  |  |
| --- | --- |
| SAMPLE B | |
| Participant Reference | M. Skoda |
| Measurement Date/Time | 11/07/2018 00:23 |
| Measurement Number | 49162-49165 |
| Mean Q resolution (%) | 2.0 |
| Wavelength of Radiation Å | 1.5-17 |
| Longitudinal footprint  (< 45 mm) | 45 |
| Transverse footprint (< 25 mm) | 25 |
| 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) | 9900 |
| Other notes |  |

|  |  |
| --- | --- |
| SAMPLE A | |
| Participant Reference | M. Skoda |
| Measurement Number |  |
| Radiation used |  |
| Data analysis package |  |
| Did you account for resolution smearing? |  |
| 2 |  |
| Number of layers |  |
| Scale factor |  |
| Background (assumed linear) |  |
| SLD fronting / 106 Å-2 |  |
| SLD backing / 106 Å-2 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å** | **Real SLD / 106 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) |  |  |  |  |
| 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 | 49162-49165 |
| Radiation used | Neutron |
| Data analysis package | GenX |
| Did you account for resolution smearing? | Yes |
|  2 | 2.199 |
| Number of layers | 2 |
| Scale factor | 1.07 |
| Background (assumed linear) | 1.089e-7 |
| SLD fronting / 106 Å-2 | 0.0 |
| SLD backing / 106 Å-2 | 2.07 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å** | **Real SLD /**  **106 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) | 718.9±0.9 | 5.854 ±0.006 | 0.0 | 6.24±0.38 |
| 2 | 10.44 | 3.47 | 0.0 | 3.75±1.45 |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

|  |  |
| --- | --- |
| SAMPLE A | |
| Participant Reference | M. Skoda |
| Measurement Number | 49222-49225 |
| Radiation used | Neutron |
| Data analysis package | RasCAL |
| Did you account for resolution smearing? | Yes |
| 2 | 1.22 |
| Number of layers | 2 |
| Scale factor | 0.9 [0.8,1.0] |
| Background (assumed linear) | 1.5 [0.5,81] e-8 |
| SLD fronting / 106 Å-2 | 0.0 |
| SLD backing / 106 Å-2 | 2.07 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å** | **Real SLD / 106 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) | 60.5 [55.6,62.9] | 6.23 [5.94,6.61] | 0.0 | 7.0[5.0,9.0] |
| 2 | 6.5 [0.0,12.3] | 4.97 [3.02,4.93] | 0.0 | 3.7[0.3,7.1] |
| 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 | 49162-49165 |
| Radiation used | Neutron |
| Data analysis package | RasCAL/Bayes |
| Did you account for resolution smearing? | Yes |
|  2 | 3.56 |
| Number of layers | 2 |
| Scale factor | 1.0 [0.97,1.02] |
| Background (assumed linear) | 5.0 [4.0,65.2] e-8 |
| SLD fronting / 106 Å-2 | 0.0 |
| SLD backing / 106 Å-2 | 2.0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Layer** | **Thickness / Å [min,max]** | **Real SLD /**  **106 Å-2** | **Imag SLD / 106 Å-2** | **Roughness / Å** |
| 1(top) | 719[714,723] | 5.86 [5.83,5.91] | 0.0 | 5.75 [4.5,7.5] |
| 2 | 8.8[4.6,21.0] | 3.62 [3.45,4.51] | 0.0 | 0.15 [0,1.67] |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |

Errors are quoted as min/max value given by Bayesian analysis.