

| PSL Kinematic Viscosity Certified Reference Materials (mm <sup>2</sup> /s, cSt) |                    |          |          |           |           |           |           |           |
|---|--------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Catalogue #   | Viscosity Standard | 20°C     | 25°C     | 37.78°C   | 40°C      | 50°C      | 98.89°C   | 100.00°C  |
|   |                    | 68.00 °F | 77.00 °F | 100.00 °F | 104.00 °F | 122.00 °F | 210.00 °F | 212.00 °F |
| 2700-V01H   | N.4                | 0.47     | 0.45     | 0.41      | 0.40      |           |           |           |
| 2700-V02H   | N.8                | 1        | 0.98     | 0.76      | 0.75      |           |           |           |
| 2700-V03H   | N1.0               | 1.3      | 1.2      | 0.98      | 0.97      |           |           |           |
| 2700-V03AH  | N2                 | 2.9      | 2.6      | 2.1       | 2         | 1.7       |           |           |
| 2700-V04  | S3                 | 5        | 4.4      | 3         | 2.9       | 2.6       | 1.3       | 1.3       |
| 2700-V05  | S6                 | 11       | 8.9      | 5.8       | 5.7       | 4.6       | 1.9       | 1.9       |
| 2700-V06  | N10                | 21       | 17       | 11        | 10        | 7.5       | 2.7       | 2.7       |
| 2700-V07  | S20                | 47       | 37       | 20        | 18        | 13        | 4.4       | 4         |
| 2700-V08  | N35                | 95       | 72       | 38        | 32        | 23        | 5.9       | 5.8       |
| 2700-V09  | S60                | 160      | 120      | 61        | 54        | 35        | 7.8       | 7.7       |
| 2700-V10  | N100               | 320      | 230      | 110       | 97        | 59        | 11        | 11        |
| 2700-V10A   | N140               | 400      | 300      | 160       | 140       | 90        | 19        | 18        |
| 2700-V11  | S200               | 660      | 460      | 210       | 180       | 110       | 18        | 17        |
| 2700-V11A   | N230               | 860      | 600      | 270       | 230       | 145       | 23        | 21        |
| 2700-V12  | N350               | 1400     | 920      | 370       | 310       | 180       | 25        | 24        |
| 2700-V12A   | N415               | 1900     | 1240     | 500       | 415       | 240       | 35        | 34        |
| 2700-V13  | S600               | 2400     | 1600     | 560       | 520       | 290       | 37        | 35        |
| 2700-V13A   | N730               | 3390     | 2260     | 790       | 730       | 410       | 52        | 49        |
| 2700-V14  | N1000              | 4800     | 3100     | 980       | 940       | 520       | 58        | 55        |
| 2700-V14A   | N1300              | 6760     | 4365     | 1380      | 1320      | 730       | 81        | 77        |
| 2700-V15  | S2000              | 8600     | 5600     | 2000      | 1700      | 880       | 85        | 81        |
| 2700-V16  | N4000              | 18000    | 11000    |           | 3400      | 1700      | 140       | 130       |
| 2700-V17  | S8000              | 35000    | 22000    |           | 6700      | 3200      | 240       | 220       |
| 2700-V18  | N15000             | 65000    | 41000    | 17000     | 13000     | 5800      | 400       | 370       |
| 2700-V19  | S30000             |          | 82000    | 32000     | 23000     | 11000     |           | 670       |

| PSL Low Temp. Kinematic Viscosity Certified Reference Materials (mm <sup>2</sup> /s, cSt) |                    |         |          |
|---|--------------------|---------|----------|
| Catalogue #   | Viscosity Standard | -20°C   | -40°C    |
|   |                    | -4.00°F | -40.00°F |
| 2700-L01  | N2B                | 8       |          |
| 2700-L02  | JV-4               | 4       |          |
| 2700-L03  | JV-8               | 8       |          |
| 2700-L04  | JV-400             |         | 400      |
| 2700-L05  | JV-4000            |         | 4000     |

\*JV standards are supplied in 30ml bottles

| PSL High Kinematic Viscosity Certified Reference Materials (mm <sup>2</sup> /s, cSt) |                    |          |          |          |          |
|--|--------------------|----------|----------|----------|----------|
| Catalogue #  | Viscosity Standard | 40°C     | 50°C     | 80°C     | 100°C    |
|  |                    | 104.00°F | 122.00°F | 176.00°F | 212.00°F |
| 2700-H01   | S62000             | 55000    | 25000    | 4000     | 1500     |
| 2700-H02   | S130000            | 150000   | 75000    | 15000    | 5000     |

**Cannon-Ubbelohde Viscometers**  
Suitable for transparent liquids. Nominal overall length 335mm, approximate sample size 11 ml. Complete with ISO 17025 certificate of calibration.



| Part No. | Size | Constant | Range (mm <sup>2</sup> /s) |
|----------|------|----------|----------------------------|
| 1647/01  | 25   | 0.002    | 0.5 to 2                   |
| 1647/02  | 50   | 0.004    | 0.8 to 4.0                 |
| 1647/03  | 75   | 0.008    | 1.6 to 8.0                 |
| 1647/04  | 100  | 0.015    | 3 to 15                    |
| 1647/05  | 150  | 0.035    | 7 to 35                    |
| 1647/06  | 200  | 0.1      | 20 to 100                  |
| 1647/07  | 300  | 0.25     | 50 to 250                  |
| 1647/08  | 350  | 0.5      | 100 to 500                 |
| 1647/09  | 400  | 1.2      | 240 to 1,200               |
| 1647/10  | 450  | 2.5      | 500 to 2,500               |
| 1647/11  | 500  | 8.0      | 1,600 to 8,000             |
| 1647/12  | 600  | 20       | 4,000 to 20,000            |
| 1647/13  | 650  | 45       | 9,000 to 45,000            |
| 1647/14  | 700  | 100      | 20,000 to 100,000          |

**Suspended-Level Viscometers**  
Suitable for measuring transparent liquids. Type BS/IP/SL – Nominal overall length 330mm; approximate sample volume 22-40 ml. Complete with ISO 17025 certificate of calibration.



| Part No. | Size | Constant | Range (mm <sup>2</sup> /s) |
|----------|------|----------|----------------------------|
| 1625/01  | 1    | 0.01     | 3.5 to 10                  |
| 1625/02  | 1A   | 0.03     | 6 to 30                    |
| 1625/03  | 2    | 0.1      | 20 to 100                  |
| 1625/04  | 2A   | 0.3      | 60 to 300                  |
| 1625/05  | 3    | 1.0      | 200 to 1,000               |
| 1625/06  | 3A   | 3.0      | 600 to 3,000               |
| 1625/07  | 4    | 10       | 2,000 to 10,000            |
| 1625/08  | 4A   | 30       | 6,000 to 30,000            |
| 1625/09  | 5    | 100      | 20,000 to 100,000          |

**Suspended-Level Viscometers, Shortened Form**  
Suitable for measuring transparent liquids. Type BS/IP/SL – Nominal overall length 250mm; approximate sample volume 10 ml. Complete with ISO 17025 certificate of calibration.



| Part No. | Size | Constant | Range (mm <sup>2</sup> /s) |
|----------|------|----------|----------------------------|
| 1628/01  | 1    | 0.0008   | 1.05 min                   |
| 1628/02  | 2    | 0.003    | 2.1 to 3                   |
| 1628/03  | 3    | 0.01     | 3.8 to 10                  |
| 1628/04  | 4    | 0.03     | 6 to 30                    |
| 1628/05  | 5    | 0.10     | 20 to 100                  |
| 1628/06  | 6    | 0.3      | 60 to 300                  |
| 1628/07  | 7    | 1.0      | 200 to 1,000               |
| 1628/08  | 8    | 3.0      | 600 to 3,000               |
| 1628/09  | 9    | 10       | 2,000 to 10,000            |

**Miniature Suspended-Level Viscometers**  
Suitable for measuring transparent liquids. Type BS/IP/MSL – Nominal overall length 330mm; approximate sample volume 4 ml. Complete with ISO 17025 certificate of calibration.



| Part No. | Size | Constant | Range (mm <sup>2</sup> /s) |
|----------|------|----------|----------------------------|
| 1631/01  | 1    | 0.003    | 0.6 to 3                   |
| 1631/02  | 2    | 0.01     | 2 to 10                    |
| 1631/03  | 3    | 0.03     | 6 to 30                    |
| 1631/04  | 4    | 0.1      | 20 to 100                  |
| 1631/05  | 5    | 0.3      | 60 to 300                  |
| 1635/06  | 6    | 1.0      | 200 to 1,000               |
| 1635/07  | 7    | 3.0      | 600 to 3,000               |

**Viscometer calibration is performed on-site by our UKAS accredited ISO 17025 calibration laboratory. The PSL Calibration Laboratory maintains a master viscometer scale in accordance with ASTM D2162. All calibration data is directly traceable to international standards.**