CERTIFICATE OF CALIBRATION

ISSUED BY THE PSL CALIBRATION LABORATORY

Date of Issue: 25 April 2024 Certificate Number: 623

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Russell House
Burnham Business Park
Burnham-on-Crouch
Essex CM0 8TE England

TEST DETAILS:

Authorised signatory:

Steven Sims - Quality Manager X

Batch reference:	31137
Bath controller serial No:	10418585
Description:	Visibility Bath, 25L
Circulator Type:	Corio CD
Set point Temp. (°C):	25.00
Bath Media:	water
Flow Direction lever:	Far left
Pump%:	N/A
Cal point active:	N/A
Ambient temperature (°C):	21.0
External chiller set to (°C):	22.0
Date of test:	09 April 2024

TEMPERATURE MEASUREMENTS:

The viscometer bath above was tested for uniformity and stability using a calibrated platinum resistance thermometer consisting of an indicator and sensors.

Indicator serial No:	016219/72
Sensor serial No (Channel A):	PO102751-1-15
Sensor serial No (Channel B):	PO102751-1-7

Measurements were taken at depths of 15 and 30 cm at two opposing horizontal positions (see page 2),. Each measurement is the average of all corrected readings taken at 30 second intervals.

Position	Depth (cm)	Temperature (°C)
A	30	25.00
B	15	25.00

REPORT OF TEST:

The viscometer bath above exhibited a temperature of ± 0.01°C from the average for the duration of the test. The test duration was 60 minutes.

ASTM D445, IP71, ISO3104 CRITERIA:
For temperatures 15 to 100 °C maximum temperature difference from average: ± 0.02 °C
For other temperatures maximum temperature difference: ± 0.05 °C

VALIDITY:
All data reported is valid for the duration of the test carried out in the PSL Calibration Laboratory at the Poulten Self & Lee Ltd. address given in the header of this document.

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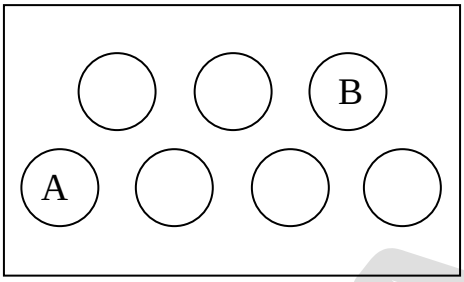
UNCERTAINTY:
The uncertainty in the measured temperature is 0.01 °C
This uncertainty is for a confidence probability of not less than 95%

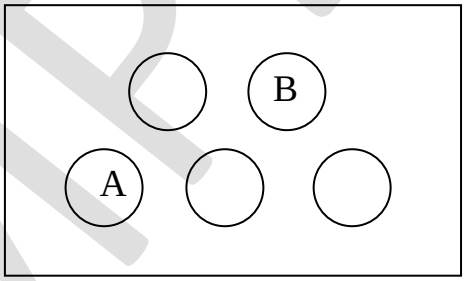
TRACEABILITY:
All temperatures are stated with respect to the International Temperature Scale of 1990 (ITS90). The platinum resistance thermometer(s) used have been calibrated by the PSL ISO17025 Accredited Calibration Laboratory in direct comparison against a standard platinum resistance thermometer directly traceable to National Standards

POSITIONS OF TEST:
The bath was tested over a duration as stated on page 1 of this certificate, with position A tested at a depth of 30cm and position B at a depth of 15 cm. Both positions were measured simultaneously.

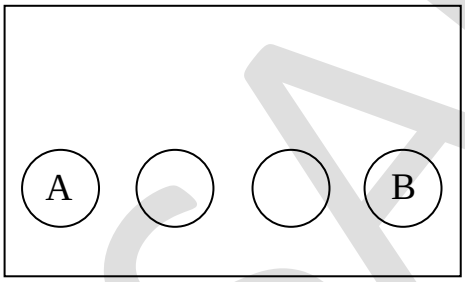
7 HOLE LID



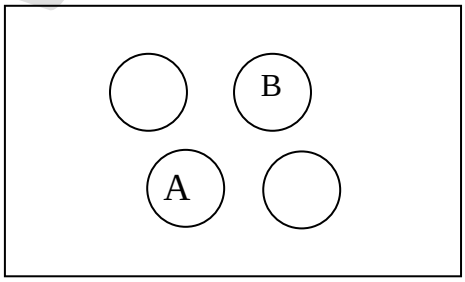
5 HOLE LID



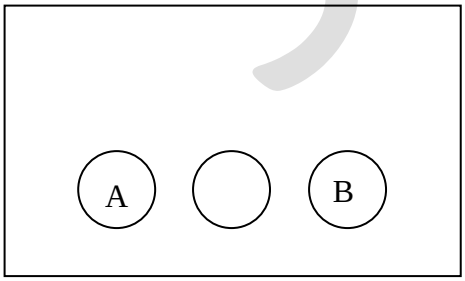
4 HOLE LID



4 HOLE LID



3 HOLE LID



2 HOLE LID