

SmallcapCRM Pvt. Ltd.

Form ID:

3/20, Nehru Nagar, New Delhi 110065

Phone: 9958091815

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Observation Sheet

Job Order No: **SIGPJ2014-000103-5**

Date of Calibration: **30/11/2014**

DUC Details

Name of Instrument: **Muffle Furnace/ Auto Clave**
(Calibration)

Range:

Instrument Location:

Resolution/ least count: **1 °C**

Make: **Thermotech**

Sr/ID Number: **STH-2004-**

Environmental Condition:

Temperature: 0.0

Humidity : 0.0

Reference Standards

1. S-Type Thermocouple	2.	3.
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Equipment Used:

S.No.	Calibration Points	Standard Value	DUC Value(°C)	Average Standard Reading	Average Measured Reading	Predefined TypeB Ub	Uncertainty at 95 % CL
		(B=1,2,3,4,5)	(C(1))				
1	400.000	398.71,398.815,398.71,398.919,398.815	400	398.794	400.000	1.42009	2.840
2	600.000	598.954,598.856,598.954,598.856,598.954	600	598.915	600.000	1.42009	2.798
3	800.000	801.746,801.838,801.93,801.93,801.746	800	801.838	800.000	1.42009	2.840
4	1000.000	1001.456,1001.543,1001.629,1001.543,1001.456	1000	1001.525	1000.000	1.42009	2.840

Predefined Budget contribution to uncertainty (in addition to factors based on observed readings and least count)

S.No	Range	NABL CMC	TypeB Factor Name	Error Estimate	Type B Factors	Distribution	Confidence	Resultant TypeB
1	0 to 1000 deg c	0.01 (°C)	UM due to S-type thermocouple (uB1)	1 (°C)	2	Normal	95	0.5
2	0 to 1000 deg c	0.01 (°C)	UM due to Stability of Temperature Source (uB4)	0.1 (°C)	1.73205	Rectangular	95	0.057735053837938
3	0 to 1000 deg c	0.01 (°C)	UM due to Uniformity of Temperature Source (u	2.3 (°C)	1.73205	Rectangular	95	1.3279062382726

Calibrated By : **Satvinder SuperAdmin**

Checked By: **Satvinder SuperAdmin**

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Predefined Budget contribution to uncertainty (in addition to factors based on observed readings and least count)								
S.No	Range	NABL CMC	TypeB Factor Name	Error Estimate	Type B Factors	Distribution	Confidence	Resultant TypeB
4	0 to 1000 deg c	0.01 (°C)	UM due to Drift in PRT Sensor (uB5)	0 (°C)	1.73205	Rectangular	95	0

Calibrated By : **Satvinder SuperAdmin**

Checked By: **Satvinder SuperAdmin**