



An NABL Accredited Calibration Laboratory A Constituent Board of Quality Council of India An ISO 9001 : 2015 Certified company



Calibration of Various Instruments & Testing Machines...

				CALI	BRA	TIC	ON CERTIFIC	CATE				
AL	IBRATION CERTIFICATI)23/06/	102						Page 1 of 1		
-	JE DATE : R No.:		5-Jun-2023									
_	ISSUED TO :		CC312523000007019F M/s.: Suraha Speciality Laboratory									
		16	167, Behraspara, H.C. Sarahl, Sonarpur, 24.Parganas(S), Kolkata - 700150							۰	7,0	
1.1	Service Request Form M	ło. : SI	SRF/2023/06/02/02									
1.2	Service Request Date :	02	02-06-2023									
1.3	Location :	A	t Site						en andre en der son de Generalise der son der s			
1.4	Description identificatio	n of item to be	e calibrated :									
	Name :	Refrigerat	erator			ii Make :		SAMSUNG		and the for		
	III Model / Type No.:						S/L. No.:	-		- G	6.3.74	
	<u>v</u> I.D.No.:		SSL/REF/01		<u>vi</u>	Job Code No.:	2023/06/102		Malifa De.			
			al Zone(2 to 6) °C & Deep -20)°C		viii	Resolution :	1⁰C			1100		
	ix Accuracy :	As Per DKD R5 - 1		1.1 1.1			End User :				1	
1.5	Full / Partial Calibration		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		I	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1						
1.6	Applicable specification	of item to be c	alibrate	ed: Accura	cy / perm	ussib	le limit :	Not Specified.	and	ntar a se Natar		
1.7	Date of receipt of item :	2-1	Jun-202	23	1.7 Da	ate of	calibration :		J. 47. 130	2-Jun-2	022	
1.9	Calibration due on :	1.1	Jun-20	24	_			aller Aller (Ballace)				
2.1					<u>1.9</u> FI	Monus					Months	
	Environmental condition during calibration :		perature ; 25.5°C									
2.2	Basis of calibration :	Humidity : SOP/1/06	1	55% RH			1.5	N. N. A.	1.1.1.1.20			
2.3	Dasis of caloration : SOP/1/06 Traceability : Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.											
	Name of Instrument		and the second		Certificate No.		Lab Certificate No.	Calibrated				
	Name of Instrument		SI. No. / ID no.					On	Du	e On		
	Digital Temperature Indicator with						00.000	17 11 2022	17 11 0000			
	Sensor(RTD)	(SL No 19102403) TSC/22-23/12095-36 CC-2231					17-11-2022 17-11-2023				
		1-11		C	CALIB	RA	TION RESULT	S	\$15	10 - P	14	
	SI. No.	DUC set in	°C		() Ob	serve	d Reading at Ref. S	std. in °C		Uncertainty	Acceptance	
Nor						ar a	Avg. of five reading	(5)	Error in °C	in ± °C	Criteria	
Nor	mal Zone : (2 to 6)*C	2						(s)		in±℃	Criteria	
Nor	1	2					2.003	.	0.003			
Nor	1 2	4					2.003 4.005	·		in±℃	Criteria	
Nor	1						2.003	s) 	0.003	in ± °C 0.61	Criteria Pass	
Nor	1 2 3	4		Obse	rved Re		2.003 4.005	Mean réading in	0.003	in ± °C 0.61 0.61	Criteria Pass Pass	
	1 2 3	4 6 DUC set in °C		Obse	rved Re		2.003 4.005 6.008	Mean	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty	Criteria Pass Pass Pass Acceptance	
	1 2 3 SI. No. 1	4 6 DUC set in °C		Obse	rved Re	adin	2.003 4.005 6.008 g at Ref. Std. in °C	Mean réading in	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty	Criteria Pass Pass Pass Acceptance	
	1 2 3 SI. No. 1 p Zone : Working Rang 1	4 6 DUC set in °C		Obse	rved Re	adin -20	2.003 4.005 6.008 g at Ref. Std. in °C	Mean réading in	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty	Criteria Pass Pass Pass Acceptance	
	1 2 3 SI. No. 1 p Zone : Working Rang 1 2	4 6 DUC set in °C te :- (-)20°C		Obse	rved Re	adin -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C 1.030	Mean réading in	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty	Criteria Pass Pass Pass Acceptance Criteria	
	1 2 3 SI. No. 1 P Zone : Working Rang 1 2 3	4 6 DUC set in °C		Obse	rved Re	adin -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C	Mean réading in	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty	Criteria Pass Pass Pass Acceptance Criteria Pass	
	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 3	4 6 DUC set in °C te :- (-)20°C		Obse	rved Re	adin -20 -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C 1.030	Mean reading in 'C	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C	Criteria Pass Pass Pass Acceptance Criteria Pass Pass	
Dee	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 5	4 6 DUC set in °C e :- (-)20°C -20		Obse	rved Re	adin -20 -20 -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C .030 .025 .028	Mean reading in 'C	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C	Criteria Pass Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass	
Dee	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 3	4 6 DUC set in °C e :- (-)20°C -20		Obse	rved Re	adin -20 -20 -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C 0.030 0.025 0.028 0.027	Mean reading in 'C	0.003 0.005 0.008	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C	Criteria Pass Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass	
Dee	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 5 summer Uncertainty at 1	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C 0.61	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Dee	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 5 summer Uncertainty at 1	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C 0.61	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Dee	1 2 3 SI. No. 1 2 3 4 5 cimum Permissible Error surement Uncertainty at AARKS : The DUC has dard.	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrated	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C 0.61	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Dee	1 2 3 3 SI. No. 1 p Zone : Working Rang 1 2 3 4 5 summer Uncertainty at 1	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrated	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C 0.61	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Man Mea REA stan	1 2 3 SI. No. 1 2 3 4 5 cimum Permissible Error surement Uncertainty at AARKS : The DUC has dard.	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrate	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027	in ± °C 0.61 0.61 0.61 Uncertainty In ± °C 0.61	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Man Mea REA stan	1 2 3 SI. No. p Zone : Working Rang 1 2 3 4 5 surement Uncertainty at AARKS : The DUC has dard. 2: Device Under Calibratic Control of the control	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrate	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 1.030 1.025 1.028 1.027 1.026 mr k = 2	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027 Ference standar	in ± °C 0.61 0.61 Uncertainty in ± °C 0.61 0.61 d is traceable to	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass	
Man Mea REA stan	1 2 3 SI. No. p Zone : Working Rang 1 2 3 4 5 cinum Permissible Error surement Uncertainty at 4ARKS : The DUC has dard. C: Device Under Calibrai steal Status of the DUC Calibrated By : R. Ghosh	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrate	rdg co Love	el where C	overage	adin, -200 -200 -200 -200 -200 Facto	2.003 4.005 6.008 g at Ref. Std. in °C 0.030 0.025 0.028 0.027 0.026 m k = 2 bserved are tabulated	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027 Ference standar	in ± °C 0.61 0.61 Uncertainty in ± °C 0.61 d is traccable to	Criteria Pass Pass Pass Pass Pass Pass Pass Pa	
Dee Mas Mca REN Ca	1 2 3 SI. No. p Zone : Working Rang 1 2 3 4 5 surment Uncertainty at 4ARKS : The DUC has dard. C: Device Under Calibrat skeal Status of the DUC	4 6 DUC set in °C e :- (-)20°C -20 or : ± 0.3% of 95% Confiden been calibrate	rdg co Love	el where C	overage	adin, -20 -20 -20 -20 -20 -20 -20	2.003 4.005 6.008 g at Ref. Std. in °C 0.030 0.025 0.028 0.027 0.026 w k = 2 baserved are tabulated	Mean reading in *C	0.003 0.005 0.008 Error in °C -0.027 Ference standar	in ± °C 0.61 0.61 0.61 Uncertainty in ± °C 0.61 d is traceable to P. K	Criteria Pass Pass Pass Acceptance Criteria Pass Pass Pass Pass Pass Pass Pass Pa	

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