



Visomes Comercial Metrológica Ltda.



LABORATÓRIO DE METROLOGIA VISOMES RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

INTERESSADO: ER Analítica Ltda. - EPP

CONTRATANTE: ER Analítica Ltda. - EPP

R. Itaici, 130 – Jardim Itajaí – Várzea Paulista – SP – CEP: 13224-250

DADOS DO EQUIPAMENTO E CONDIÇÕES DO ENSAIO

MATERIAL ENSAIADO: BANHO TERMOSTÁTICO COM INDICAÇÃO DIGITAL

MARCA:	ACB Labor	N° CONTROLE:	H001A03BM
MODELO:	Não Identificado	N° SÉRIE:	Não Identificado
ESCALA:	0 a 90 °C	DATA DO ENSAIO:	27/12/19
RESOLUÇÃO:	0,1 °C	N° ORDEM DE SERVIÇO:	02172-06846/2019
TIPO DE SENSOR:	Termorresistência	CONDIÇÃO AMBIENTAL:	25 °C ± 1 °C e 54 %UR ± 5 %UR
TIPO DE CIRCULAÇÃO:	FORÇADA	DIMENSÕES INTERNAS:	A = 90 / L = 240 / P = 300 mm
MARCA DO CONTROLADOR:	Novus	TIPO DE CONTROLE:	Microprocessado
LOCAL DO ENSAIO:	Laboratório de Calibração		

PADRÕES UTILIZADOS

CÓDIGO	DESCRIÇÃO	relatório	VALIDADE	RASTREABILIDADE
PV-220-G	Multímetro Digital	RBC 19/1715	out-20	SI – RBC
PV-711-0	Termômetro Digital	LV00017-023194-19-Fset-20		SI – RBC

MÉTODO DE ENSAIO

O equipamento foi medido, utilizando-se 9 sensores distribuídos internamente conforme foto.

O posicionamento dos sensores utilizados esta descrito junto aos resultados.

O valor expresso como média da temperatura considera todos os sensores após a estabilização.

Para este ensaio, foi utilizada a Instrução de Trabalho: ILV-204

RESOLUÇÃO ANVISA RDC 17 DE 16 DE ABRIL DE 2010 - título V 'validação' - capítulo VII - art. 486 a 488, Capítulo VIII - art. 489 e 490 e Capítulo IX - art. 498 seção II, III e IV.

NOTAS E INFORMAÇÕES PERTINENTES

1 – A incerteza expandida de medição relatada (U) é declarada como a incerteza padrão de medição multiplicada pelo fator de abrangência k. O qual para uma distribuição t, com graus de liberdade efetivos relatados (veff), corresponde a uma probabilidade de abrangência de aproximadamente 95%. A incerteza padrão da medição foi determinada de acordo com a publicação EA-4/02.

2 – Este certificado atende aos requisitos de acreditação pela Cgcre que avaliou a competência do laboratório e comprovou sua rastreabilidade ao Sistema Internacional de Unidades – SI e aos requisitos da Norma ABNT NBR ISO/IEC 17025. A Cgcre é signatária do Acordo de Reconhecimento Mútuo da ILAC.

3 – Os relatórios de Calibração digitais possuem uma forma de assinatura eletrônica de uma instituição reconhecida por todos como confiável que funciona como "cartório eletrônico". Os métodos criptográficos empregados impedem que a assinatura eletrônica seja falsificada, ou que os dados do documento sejam adulterados ou copiados, tornando-o absolutamente inviolável. Garante-se assim, por quem assina, que os dados de identificação do relatório são verdadeiros. Estes quando alterados perdem a validade. A certificação digital garante os três princípios básicos da comunicação segura em ambiente de rede de computadores: autenticidade, privacidade e inviolabilidade. Este relatório, se impresso pela Visomes, para garantir a originalidade, deve estar cancelado.

4 – Os valores de temperatura apresentados estão em conformidade com a Escala Internacional de Temperatura de 1990.

5 – O presente relatório refere-se exclusivamente ao material ensaiado.

6 – É proibida a reprodução parcial deste relatório.

7 – Fatores de ajuste do controlador:

Pb : 1.0

Ir : 0.15

8 – Valor de Referência = Média das Leituras (equipamento em calibração) – Erro

9 – Serviço realizado nas instalações do cliente.

10 – Parâmetros programados no controlador de temperatura Pb=1.0, Ir=0.15, dt=28, Ct=2.0 e OFFS=-0.7.

dt=28	APROVADO
Responsável:	RENATO
Padrão:	H001A03BM
Data:	14/01/2020
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RESULTADOS OBTIDOS

RESULTADO OBTIDO POR SENSOR (°C)

Identificação	Localização	Média	Máximo	Mínimo	Variação
01	Anterior Superior Esquerdo	25,0	25,0	24,9	0,1
02	Posterior Superior Esquerdo	25,0	25,1	24,9	0,2
03	Posterior Superior Direito	25,0	25,1	24,9	0,2
04	Anterior Superior Direito	25,0	25,0	24,9	0,1
05	Anterior Inferior Esquerdo	25,0	25,1	24,9	0,2
06	Posterior Inferior Esquerdo	24,9	25,1	24,9	0,2
07	Posterior Inferior Direito	25,0	25,0	24,9	0,1
08	Anterior Inferior Direito	25,0	25,0	24,9	0,1
09	Centro Volumétrico	25,0	25,0	24,9	0,1

RESULTADO DO ENSAIO (°C)

PARÂMETRO	VALOR	U	k	veff
Homogeneidade, no período de estabilidade, diferença entre o máximo e mínimo ($\pm^{\circ}\text{C}$):	0,1	0,2	2,00	>1000
Estabilidade no sensor central ($\pm^{\circ}\text{C}$):	0,1	0,2	2,00	>1000
Temperatura Ajustada:	25,0			
Temperatura média após a estabilização:	25,0	0,2	2,00	>1000
Tendência de medição da temperatura de controle:	0,0			
Incerteza de medição do conjunto registrador + sensores:		0,1	2,00	>1000

GRÁFICO DOS RESULTADOS OBTIDOS (°C)



APROVADO

Responsável: RENATO

Padrão: H001 A03 BM

Data: 14/01/2020⁶

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LABORATÓRIO DE METROLOGIA VISOMES
RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

[illegible]

APROVADO

Responsável: RENATO

Padrão: 4001 A03 BM

Data: 14/01/2020

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LABORATÓRIO DE METROLOGIA VISOMES RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	S 09
14:06	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:06	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:06	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:06	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:06	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:06	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:07	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:08	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:08	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:08	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:08	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:08	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:08	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:09	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:09	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:09	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:09	25,0	25,0	24,9	25,0	25,0	24,9	24,9	25,0	25,0
14:09	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:10	24,9	25,0	24,9	25,0	25,0	24,9	25,0	24,9	25,0
14:10	24,9	25,0	24,9	24,9	25,0	24,9	24,9	24,9	24,9
14:10	25,0	25,0	24,9	24,9	25,0	24,9	24,9	25,0	24,9
14:10	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:10	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:10	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:11	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:12	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:12	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:12	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:12	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:12	24,9	24,9	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:13	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:13	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:13	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:13	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:13	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:13	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:14	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:14	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:14	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	24,9
14:14	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	24,9
14:14	24,9	25,0	24,9	24,9	25,0	24,9	24,9	24,9	24,9
14:15	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:15	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:15	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:15	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9

APROVADO

Responsável: RENATO

Padrão: H001 A03 BM

Data: 14/01/2020

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DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	S 09
14:15	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:15	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:16	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:16	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:16	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:16	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:16	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:16	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:17	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	24,9
14:17	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	24,9
14:17	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:17	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:17	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:17	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:18	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:19	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:20	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:20	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:20	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:20	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:20	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:21	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:22	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:23	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:23	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:23	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:23	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:23	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:24	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:25	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:25	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0

APROVADO

Responsável: RENATO
Padrão: 4001 A03 BM
Data: 14/01/2020
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DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	S 09
14:25	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:25	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:25	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:25	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:26	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:27	25,0	25,0	24,9	25,0	25,0	24,9	24,9	25,0	25,0
14:28	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:28	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:28	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:28	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:28	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:28	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:29	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:30	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:30	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:30	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:30	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:30	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:31	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:32	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:32	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:32	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:32	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:32	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:33	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:34	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:34	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:34	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:34	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:34	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0

APROVADO

Responsável: RENATO

Padrão: 4001 A03BN

Data: 14/01/2020

Validade: 27/12/2021



Visomes Comercial Metrológica Ltda.



LABORATÓRIO DE METROLOGIA VISOMES RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	S 09
14:44	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:44	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:45	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:45	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:45	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:45	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:45	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:46	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:47	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:47	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:47	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	25,0
14:47	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	25,0
14:47	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:47	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:48	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:48	24,9	25,0	24,9	25,0	25,0	24,9	24,9	24,9	25,0
14:48	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	24,9
14:48	24,9	25,0	24,9	24,9	25,0	24,9	24,9	24,9	24,9
14:48	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	25,0
14:48	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:49	24,9	25,0	24,9	25,0	25,0	24,9	25,0	24,9	24,9
14:49	24,9	25,0	24,9	25,0	24,9	24,9	25,0	24,9	24,9
14:49	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:49	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:49	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:49	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:50	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:50	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	25,0
14:50	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	25,0
14:50	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:50	24,9	25,0	24,9	24,9	24,9	24,9	24,9	24,9	24,9
14:51	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:51	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:51	24,9	25,0	24,9	25,0	25,0	24,9	25,0	24,9	24,9
14:51	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	25,0
14:51	24,9	25,0	24,9	25,0	25,0	24,9	24,9	24,9	24,9
14:52	24,9	25,0	24,9	25,0	25,0	24,9	25,0	24,9	25,0
14:52	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:52	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:52	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	25,0
14:52	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	25,0
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	24,9
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	24,9
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:53	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:54	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0
14:54	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9

APROVADO

Responsável: RENATO

Padrão: 4001 A03 BM

Data: 14/01/2020

Validade: 27/12/2021



Visomes Comercial Metroológica Ltda.



LABORATÓRIO DE METROLOGIA VISOMES RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

DADOS OBTIDOS NOS SENSORES UTILIZADOS NOS CÁLCULOS (°C)

	S 01	S 02	S 03	S 04	S 05	S 06	S 07	S 08	S 09
14:54	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:54	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:54	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	24,9
14:54	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:55	24,9	25,0	24,9	24,9	25,0	24,9	24,9	24,9	24,9
14:55	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:55	24,9	25,0	24,9	24,9	24,9	24,9	25,0	24,9	24,9
14:55	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:55	25,0	25,0	24,9	25,0	25,0	24,9	25,0	25,0	25,0
14:55	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:56	24,9	25,0	24,9	24,9	25,0	24,9	25,0	24,9	24,9
14:56	25,0	25,0	24,9	24,9	25,0	24,9	25,0	25,0	24,9
14:56	25,0	25,0	25,1	25,0	25,0	24,9	25,0	25,0	25,0

APROVADO

Responsável: RENATO

Padrão: 4001A03BM

Data: 14/01/2020

Validade: 27/12/2021

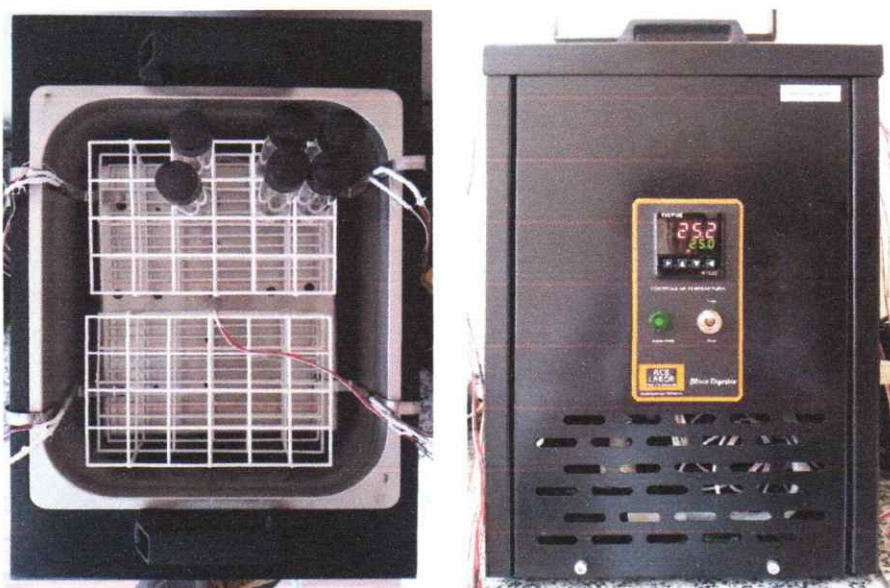


Visomes Comercial Metrológica Ltda.



LABORATÓRIO DE METROLOGIA VISOMES RELATÓRIO DE ENSAIO N° LV02172-39349-19-R0

FOTO DO EQUIPAMENTO EM ENSAIO




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----- FINAL DO RELATÓRIO N° LV02172-39349-19-R0 -----

RESPONSÁVEL PELA EMISSÃO

APROVADO	
Responsável:	RENATO
Padrão:	4001A03BM
Data:	14/01/2020
Validade:	27/12/2021


FÁBIO PEREIRA BARROS
SIGNATÁRIO AUTORIZADO
TÉCNICO EM METROLOGIA

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