



CERTIFICADO

I-REC

**2022**

***Grendene***



Em 2022, rastreamos o uso de energia elétrica por meio da Certificação I-REC (*Renewable Energy Certificate*, em inglês).

A certificação comprova que 100% da energia elétrica consumida em nossas operações tem origem em fontes renováveis.



THE INTERNATIONAL  
REC STANDARD

This Redemption Statement has been produced for

**GRENDENE S/A**

by

**COMERC COMERCIALIZADORA DE ENERGIA ELETRICA LTDA**

confirming the Redemption of

**101 256.000000**

I-REC Certificates, representing 101 256.000000 MWh of  
electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

**Sobral-CE, Crato-CE, Fortaleza-CE e Farroupilha-RS  
Brazil**

in respect of the reporting period

**2022-01-01 to 2022-12-31**

The stated Redemption Purpose is

**Aumento da utilização de fontes de energia renovável e redução das emissões de  
carbono.**

**Ev.**  **comerc**  
**energia**



QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the left and  
entering in the Verification Key below

Verification Key

**3 2 4 1 7 4 2 1**

<https://api.evident.app/public/certificates/en/>

ApzwhxLFAzO9Kud4XswWKXvkAdFHgX2jvdVNIse90Fpq6w0tAPMyJcRRLC%2FBcIc

Redeemed Certificates

Production Device Details

Device	Country of Origin	Energy Source	Technology	Supported	Commisioning Date	Carbon (CO <sub>2</sub> / MWh)
AES Tiete Energia S.A. / Agua Vermelha	Brazil	Hydro-electric	Dam	No	1978-08-22	0.000000

Redeemed Certificates

From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9559-3511	0000-0003-9560-6860	13 350.000000		2022-06-08 16:21:08 - 2022-06-09 17:29:59 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-5847-4772	0000-0003-5847-5802	1 031.000000		2022-06-03 17:26:18 - 2022-06-04 01:54:53 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9563-3561	0000-0003-9564-6860	13 300.000000		2022-09-11 09:30:23 - 2022-09-12 14:30:07 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9553-2611	0000-0003-9553-3913	1 303.000000		2022-01-13 05:15:10 - 2022-01-14 14:17:55 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9560-6861	0000-0003-9562-0210	13 350.000000		2022-07-09 14:15:24 - 2022-07-10 13:57:59 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9564-6911	0000-0003-9565-2815	5 905.000000		2022-10-14 10:42:30 - 2022-10-15 22:48:49 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9555-4235	0000-0003-9558-0160	25 926.000000		2022-03-07 06:45:54 - 2022-03-08 15:46:51 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9562-0211	0000-0003-9563-3560	13 350.000000		2022-08-10 05:44:44 - 2022-08-11 07:21:23 (UTC)	Instituto Totum
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer
0000-0003-9558-0294	0000-0003-9559-3510	13 217.000000		2022-04-16 18:31:02 - 2022-04-18 04:33:36 (UTC)	Instituto Totum

<b>From Certificate ID</b>	<b>To Certificate ID</b>	<b>Number of Certificates</b>	<b>Offset Attributes</b>	<b>Period of Production</b>	<b>Issuer</b>
<b>From Certificate ID</b>	<b>To Certificate ID</b>	<b>Number of Certificates</b>	<b>Offset Attributes</b>	<b>Period of Production</b>	<b>Issuer</b>
0000-0003-5848-8782	0000-0003-5848-9305	524.000000		2022-09-03 10:27:22 - 2022-09-03 20:13:47 (UTC)	Instituto Totum

#### Auditor Notes

This statement is proof of the secure and unique redemption of the I-RECs stated above for the named beneficiary to be reported against consumption in the country during the reporting year stated. I-RECs are assigned to a beneficiary at redemption and cannot be further assigned to a third party. No other use of these I-RECs is valid under the I-REC Standard.

Where offset attributes are 'inc' the device registrant, who exclusively holds the environmental attribute rights, has undertaken never to release carbon offsets in association with these MWh; 'excl' means carbon offsets relating to these MWh may be traded independently at some point in the future.

For labelling scheme information please refer to the scheme's website. Labelling scheme listing may not be exhaustive.

Thermal plant emit carbon as part of the combustion process. Whilst this is not zero carbon, it is generally recognised as carbon neutral where the source is recent biomass.



***Grendene***