

# CERTIFICATE

## CONCERNING FACTORY PRODUCTION CONTROL ACCORDING TO DIN EN 10088-4:2010, ANNEX ZA

The Certification Body for Structural Metallic Products of TÜV NORD Systems GmbH & Co. KG hereby confirms in accordance with the Regulation (EU) Number 305/2011 of 09 March 2011 that the company

**Aperam Inox América do Sul S/A**  
**Praça 1º de Maio, nº 09 Centro**  
**Timóteo - Minas Gerais**  
**35180-018 CEP, Brazil**

has been certified with their construction product

**corrosion resisting steels**  
**according to EN 10088-4**

- Materials and dimensions according to the mentioned product standard -

**accordant the regulations of DIN EN 10088-4:2010**

which was subject to an initial inspection of the products by the manufacturer and that the construction product is subjected to a continuous factory production control.

The Notified Body conducted an initial inspection of the plant and of the factory production control and performs continuous monitoring and conformity assessment of the factory production control.

(Conformity Certification Procedure: System 2+)

The producer is responsible for the usability of the CE-marked structural products acc. to the product standard and the Declaration of Performance (DoP).

**Certificate No.: 0045-CPR-1156**

**Year of initial inspection: 2015**

This certificate has been issued in accordance with the Construction Products Regulation and is valid provided the provisions of the harmonised technical specification indicated are complied with and the manufacturing conditions in the plant or the factory production control are not modified to a major degree.

Hamburg, 10.07.2015



**Validity endorsement:**

Valid until 10.07.2020

TÜV NORD Systems GmbH & Co. KG  
Große Bahnstraße 31  
D-22525 Hamburg  
Germany

**Revision status:**

Rev.: 00 / 10.07.2015

File : 1326WL115650

SAP: 8112467765

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email kmarrek@tuev-nord.de

  
K.-H. Marrek

Certification Body  
- Structural Metallic Products -  
of TÜV NORD Systems GmbH & Co. KG  
Notified Body, ID number 0045  
DAkkS – accreditation: D-ZE-11074-03-00

# ZERTIFIKAT

## ÜBER DIE WERKSEIGENE PRODUKTIONSSTEUERUNG GEMÄSS DIN EN 10088-4:2010, ANHANG ZA

Die Zertifizierungsstelle für Bauprodukte für den Metallbau der TÜV NORD Systems GmbH & Co. KG bestätigt hiermit gemäß der Verordnung (EU) Nummer 305/2011 vom 09. März 2011, dass die von der Firma

**Aperam Inox América do Sul S/A**  
**Praça 1º de Maio, nº 09 Centro**  
**Timóteo - Minas Gerais**  
**35180-018 CEP, Brazil**

erzeugten Bauprodukte

**Warmgewalztes Band und Blech aus Band  
aus korrosionsbeständigen Stählen  
nach DIN EN 10088-4**

- Werkstoffe und Abmessungen entsprechend der genannten Produktnorm -

**entsprechend den Regelungen der DIN EN 10088-4:2010**

durch den Hersteller einer Erstprüfung der Produkte unterzogen wurden und dass die Bauprodukte einer ständigen werkseigenen Produktionskontrolle unterliegen.  
Die notifizierte Stelle hat eine Erstinspektion des Werkes und der werkseigenen Produktionskontrolle vorgenommen und führt eine laufende Überwachung und Konformitätsbewertung der werkseigenen Produktionskontrolle durch. (Konformitätsbescheinigungsverfahren: System 2+).  
Der Hersteller ist für die Verwendbarkeit der CE-gekennzeichneten Bauprodukte gemäß der Produktnorm und der Leistungserklärung (LE) verantwortlich.

**Zertifikat-Nr.: 0045-CPR-1156**

**Jahr der Erstzertifizierung: 2015**

Dieses nach der Bauproduktenverordnung erteilte Zertifikat gilt, wenn die Festlegungen in der angeführten harmonisierten technischen Spezifikation eingehalten werden und die Prüfbedingungen im Werk oder die werkseigene Produktionskontrolle nicht wesentlich verändert werden.

Hamburg, den 10.07.2015

**Gültigkeitsvermerk:**

**Gültig bis 07.2020**

TÜV NORD Systems GmbH & Co. KG  
Große Bahnstraße 31  
D-22525 Hamburg  
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**Revisionsstand:**

Rev.: 10.07.2015  
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**K.-H. Marrek**

Zertifizierungsstelle  
- Bauprodukte für den Metallbau -  
der TÜV NORD Systems GmbH & Co. KG  
Benannte Stelle (notified body), Kennnummer 0045  
DAkkS - Akkreditierung: D-ZE-11074-03-00

## DECLARATION OF PERFORMANCE – No: 001/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4301  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

APERAM INOX AMÉRICA DO SUL S/A  
Address: Praça 1º de Maio, nº 9 - Centro - Timóteo - MG  
35180-018 – Brazil.  
Tel: (+55) 31-3849-8672 / (+55) 31-3849-7279  
Fax: (+55) 31-3849-7543  
Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA1

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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**DECLARATION OF PERFORMANCE – No: 001/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 2 de 3

**7. Declared performance/s:**

Essential characteristics	Performance	Harmonised technical specification
Elongation (*1)	45% min	EN 10088-4:2010
Tensile Strength (*1)	520 MPa up to 720 MPa	
0,2% Proof Strength (*1)	210 MPa min	
Impact Strength (*2)	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*1) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*2) Impact Strength acc. to item 6.5.1 and EN 10045-1

**8. Appropriate Technical Documentation and/or Specific Technical Documentation:**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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**DECLARATION OF PERFORMANCE – No: 001/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:



Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

"See Declaration of performance (DoP) in [http://www.aperam.com/brasil/ing/produtos\\_servicos/inox\\_biblioteca.asp](http://www.aperam.com/brasil/ing/produtos_servicos/inox_biblioteca.asp)"

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**DECLARATION OF PERFORMANCE – No: 002/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4307  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

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Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA I

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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**DECLARATION OF PERFORMANCE – No: 002/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 2 de 3

**7. Declared performance/s:**

Essential characteristics	Performance	Harmonised technical specification
Elongation (*1)	45% min	EN 10088-4:2010
Tensile Strength (*1)	520 MPa up to 700 MPa	
0,2% Proof Strength (*1)	200 MPa min	
Impact Strength (*2)	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*1) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*2) Impact Strength acc to item 6.5.1 and EN 10045-1

**8. Appropriate Technical Documentation and/or Specific Technical Documentation:**

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**DECLARATION OF PERFORMANCE – No: 002/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:



Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

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## DECLARATION OF PERFORMANCE – No: 003/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4311  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

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Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA1

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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## DECLARATION OF PERFORMANCE – No: 003/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 2 de 3

### 7. Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification
Elongation (*)	40% min	EN 10088-4:2010
Tensile Strength (*)	550 MPa up to 750 MPa	
0,2% Proof Strength (*)	270 MPa min	
Impact Strength (*)	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*1) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*2) Impact Strength acc to item 6.5.1 and EN 10045-1

### 8. Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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**DECLARATION OF PERFORMANCE – No: 003/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:

*Ronaldo Claret Ribeiro da Silva*

Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

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## DECLARATION OF PERFORMANCE – No: 004/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4401  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

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Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA1

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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## DECLARATION OF PERFORMANCE – No: 004/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 2 de 3

### 7. Declared performance/s:

Essential characteristics	Performance	Harmonised technical specification
Elongation (*)	45% min	EN 10088-4:2010
Tensile Strength (*)	530 MPa up to 670 MPa	
0,2% Proof Strength (*)	220 MPa min	
Impact Strength (*)	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*) Impact Strength acc to item 6.5.1 and EN 10045-1

### 8. Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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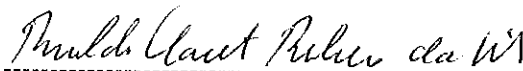
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**DECLARATION OF PERFORMANCE – No: 004/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:



Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

"See Declaration of performance (DoP) in [http://www.aperam.com/brasil/ing/produtos\\_servicos/inox\\_biblioteca.asp](http://www.aperam.com/brasil/ing/produtos_servicos/inox_biblioteca.asp)"

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## DECLARATION OF PERFORMANCE – No: 005/2015 - rev. 01

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4404  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

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Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA1

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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**DECLARATION OF PERFORMANCE – No: 005/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 2 de 3

**7. Declared performance/s:**

Essential characteristics	Performance	Harmonised technical specification
Elongation <sup>(*1)</sup>	45% min	EN 10088-4:2010
Tensile Strength <sup>(*1)</sup>	530 MPa up to 670 MPa	
0,2% Proof Strength <sup>(*1)</sup>	220 MPa min	
Impact Strength <sup>(*2)</sup>	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*1) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*2) Impact Strength acc to item 6.5.1 and EN 10045-1

**8. Appropriate Technical Documentation and/or Specific Technical Documentation:**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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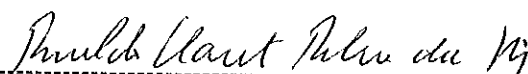


**DECLARATION OF PERFORMANCE – No: 005/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:



Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

"See Declaration of performance (DoP) in [http://www.aperam.com/brasil/ing/produtos\\_servicos/inox\\_biblioteca.asp](http://www.aperam.com/brasil/ing/produtos_servicos/inox_biblioteca.asp)"

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**DECLARATION OF PERFORMANCE – No: 006/2015 - rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 1 de 3

For the construction product

Cold-rolled and Hot-Rolled Stainless Steel

**1. Unique identification code of the product type:**

Steel Grade 1.4550  
According to EN 10088-4

**2. Intended use/es:**

Products for construction purposes (structure)

**3. Manufacturer:**

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Contact: paulo-sergio.ribeiro@aperam.com

**4. Authorised representative:**

Not applicable

**5. System/s of AVCP:**

System 2+

**6a. Harmonised standard:**

EN 10088-4, Annex ZA I

Notified body/ies:

TÜV Nord Systems GmbH & Co, nº 0045.

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Pag. 2 de 3

**7. Declared performance/s:**

Essential characteristics	Performance	Harmonised technical specification
Elongation (*)	40% min	EN 10088-4:2010
Tensile Strength (*)	520 MPa up to 700 MPa	
0,2% Proof Strength (*)	200 MPa min	
Impact Strength (*)	60 J min	
Weldability	Proven by chemical composition	
Durability	Proven by chemical composition	
Cold Formability	Covered by Elongation	
Fracture Toughness	Covered by impact strength	
Dimensions and tolerances on dimensions and shape	Item 6.9 and annex B And DIN EN ISO 18286	

Notes:

(\*1) Mechanical properties acc. to item 6.5.1, table 10-11 and EN 10002-1

(\*2) Impact Strength acc to item 6.5.1 and EN 10045-1

**8. Appropriate Technical Documentation and/or Specific Technical Documentation:**

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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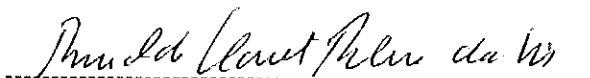
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**DECLARATION OF PERFORMANCE – No: 006/2015 – rev. 01**

According to Annex III Construction Products Regulation (305/2011/EU)  
and Regulation (EU) No 574/2014

Pag. 3 de 3

Signed for and on behalf of the manufacturer by:



Ronaldo Claret Ribeiro da Silva  
Stainless Steel Metallurgy Manager  
Aperam South America

Timóteo-Brazil

11/07/2015

"See Declaration of performance (DoP) in [http://www.aperam.com/brasil/ing/produtos\\_servicos/inox\\_biblioteca.asp](http://www.aperam.com/brasil/ing/produtos_servicos/inox_biblioteca.asp)"

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