

دما اتحاد
DAMA ETTEHAD



Smart Product Catalogue

DAMA ETTEHAD

Dama Ettehad, hidden quality, visible trust

Start



Smart Catalogue Guide

Tap an option to go directly to a section



01

Main Menu

The three-line icon at the top of each page opens the full catalogue menu.



02

Direct Access

Tap a product card or an orange button to go directly to its destination.



03

Back

The Back button at the bottom of a page returns you to the previous section.



04

Contact Links

The website, Instagram, email and telephone links open directly from the contact page.

Open Catalogue

For full functionality, open this file in a PDF viewer.



A Choice You Can Trust

For heat that demands precision

01

About Dama Ettehad

02

View Products

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Standards & Certificates

04

Laboratory & Production Line

05

Contact Information



Quality Is No Accident

Together, we have planned for it

Ettehad was founded in 1370 (Iranian Solar Hijri calendar) to manufacture tubular heating elements. In 1379 (Solar Hijri), the manufacturing company was renamed Dama Ettehad. With more than 25 years of experience in tubular heating elements, and through upgrades to its machinery and production software, Dama Ettehad Manufacturing and Industrial Group has achieved quality competitive with manufacturers in global markets and has played an important role in the country's self-sufficiency.



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A Presence in Global Markets

The company operates with modern machinery incorporating current technology, across more than 10,000 m², with around 200 skilled personnel. Dama Ettehad supplies domestic manufacturers of household and industrial appliances, including gas cookers, toaster ovens, irons, rice cookers, dishwashers, refrigerators, electric samovars, electric water heaters and washing machines, and has established the capacity to export various tubular heating elements.

Custom Manufacturing

Power, dimensions and shape can be designed and manufactured to the customer's technical requirements.



Back



What Is a Tubular Heating Element?

A tubular heating element consists of a metal tube, heating resistance wire and magnesium oxide insulation. After the tube is filled, rolled and compacted, the element is annealed to provide the required formability and strength. Precise quality control throughout production ensures electrical stability and thermal performance.

Heating Element Selection Factors

Voltage, tube length and diameter, power, material, application and environmental conditions



Back



Achievements & Certificates

Eight credentials of Dama Ettehad



02

National Standard
Mark Licence



01

CE Certificate



04

Iran's first and only
holder of the
standard mark for
heating element
production



03

Standards Licences
& Documents



06

ISO 9001 certified



05

Iran's only ISO 17025
certificate holder
(partner laboratory of
the Iran National
Standards
Organization)



08

ISO 10004 certified



07

ISO 10002 certified



Back

CE Certificate



CE certification for products, indicating conformity with safety and performance requirements.

Read document translation



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02 National Standard Mark Licence



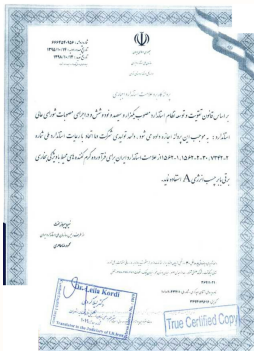
Dama Ettehad is among the first manufacturers licensed to use the national standard mark for heating element production.

Read document translation



Back

03 Standards Licences & Documents



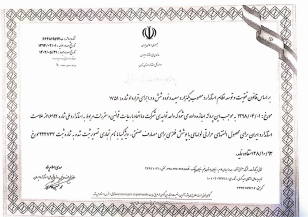
Official documents and licences support quality monitoring and control of the heating elements manufactured.

Read document translation



Back

04 Heating Element Production Standard Mark



Iran's first and only holder of the standard mark for heating element production

[Read document translation](#)



[Back](#)

ISO 17025 Certificate



Iran's only ISO 17025 certificate holder (partner laboratory of the Iran National Standards Organization)

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ISO 9001 Certificate



ISO 9001 certified

Read document translation



Back

ISO 10002 Certificate



ISO 10002 certified

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ISO 10004 Certificate



Read document translation



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Quality Control at Every Stage

Dama Ettehad's laboratory operates alongside the production line to assess electrical and thermal performance, check insulation and monitor product quality.



Back



From Design to Final Testing

Specialist machinery, skilled personnel and integrated process control



Back



Product Categories

Select a category to view the models



Rice Cookers & Electric Hobs

P02



Industrial Applications

SH01



Refrigerators

Y06



Samovars

K02



Irons

I02



Water Heaters

A02



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Product Categories

Select a category to view the models



Ovens & Toaster Ovens

FTS01



Sandwich Makers & Korsi Heaters

S02



Fused Washing Machine
Heating Element

L01



Thermostat



Dishwashers



Air Fryers &
Oil-Free Fryers



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Rice Cookers & Electric Hobs

Copper heating elements in specialised shapes for
uniform heat transfer

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Rice Cookers & Electric Hobs



P02

Custom



P01

Custom



P03

Custom



Back



P02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



P01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



P03

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

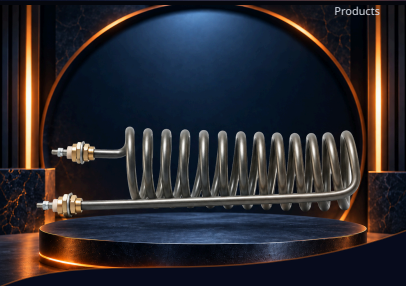
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Industrial Applications

A variety of heating elements for industrial applications and thermal equipment

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Industrial Applications



SH01

Custom



OA02

Custom



OA01

Custom



OA04

Custom



OA03

Custom



Y02

Custom



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Industrial Applications



Y01

Custom



Y04

Custom

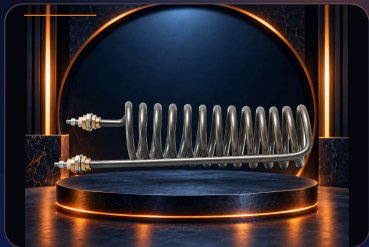


Y03

Custom



Back



SH01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



OA02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



OA01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



OA04

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



OA03

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Y02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Y01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Y04

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Y03

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



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Refrigerators

Low-power heating elements for refrigerators and
defrosting systems

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Refrigerators



Y06

Custom



Y05

Custom



Back



Y06

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Y05

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Products



Samovars

Ring-shaped, flanged and finned models for heating water and other fluids

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Samovars



K02

Custom



K01

Custom



MB01

Custom



M01

Custom



MF01

Custom



SM60

Custom



Back



Samovars



SL01

Custom



Back



K02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



K01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



MB01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



M01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



MF01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



SM60

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



SL01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



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Products



Irons

Copper and steel heating elements shaped to suit
iron soleplates

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Irons

Irons



I02

Custom



I01

Custom



I04

Custom



I03

Custom



I05

Custom



Back



I02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



I01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

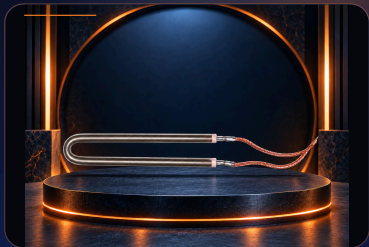
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



I04

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

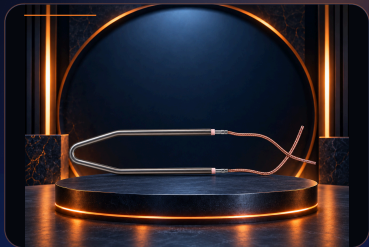
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



I03

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Irons



I05

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



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Water Heaters

Flanged copper and steel heating elements for
electric water heaters

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Water Heaters



A02

Custom



A01

Custom



A04

Custom



A03

Custom



Back



A02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



A01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



A04

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

Copper

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



A03

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

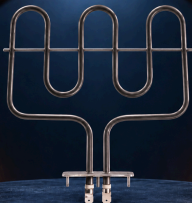
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Ovens & Toaster Ovens

A complete range of heating elements for ovens, toaster ovens, grills and cooking equipment

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Ovens & Toaster Ovens



FTS01

Custom



FTA01

Custom



FTD01

Custom



FTB01

Custom



FDB01

Custom



FDB02

Custom



Back



Ovens & Toaster Ovens

Ovens & Toaster Ovens



FGT01

Custom



FG01

Custom



FDA01

Custom



FDP01

Custom



FG02

Custom

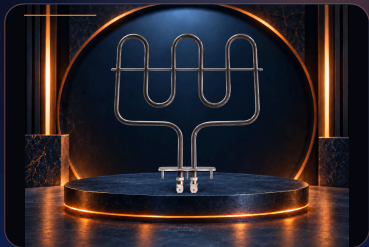


FTC01

Custom



Back



FTS01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FTA01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FTD01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FTB01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

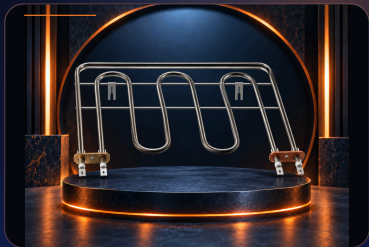
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FDB01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FDB02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FGT01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FG01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FDA01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FDP01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FG02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

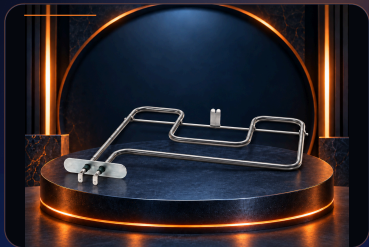
Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



FTC01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Sandwich Makers & Korsi Heaters

Flat and shaped heating elements for small heating appliances

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Sandwich Makers & Korsi Heaters



S02

Custom



S01

Custom



Back



S02

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



S01

Tubular Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Fused Washing Machine Heating Element

Fused Washing Machine Heating Element

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Fused Washing Machine Heating Element

Fused Washing Machine Heating Element



L01

Custom



Back



Fused Washing Machine Heating Element



L01

Fused Washing Machine Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304 stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Products

Dishwashers

Available with or without a thermal fuse

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Dishwashers

Dishwashers



Sample 1

Custom



Sample 2

Custom



Sample 3

Custom



Sample 4

Custom

Sample numbers identify the images only;
they are not product codes.



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Sample 1

Dishwasher Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Sample 2

Dishwasher Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Sample 3

Dishwasher Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Sample 4

Dishwasher Heating Element

W

Custom

Power

V

220 - 240 V

Voltage

M

SUS 304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



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Air Fryer & Oil-Free Fryer Heating Elements

SS304L stainless steel heating elements
Power tailored to your requirements

[View Products](#)



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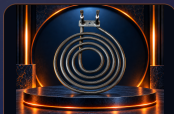
Air Fryers & Oil-Free Fryers

Air Fryer & Oil-Free Fryer Heating Elements



Sample 1

Custom



Sample 2

Custom

Sample numbers identify the images only;
they are not product codes.



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Air Fryers & Oil-Free Fryers



Sample 1

Air Fryer & Oil-Free Fryer
Heating Elements

W

Custom

Power

V

220 - 240 V

Voltage

M

SS304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



Back



Air Fryers & Oil-Free Fryers



Sample 2

Air Fryer & Oil-Free Fryer
Heating Elements

W

Custom

Power

V

220 - 240 V

Voltage

M

SS304L stainless steel

Sheath material

Ø

Custom

Tube diameter

Custom manufacturing to your technical requirements



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Thermostat

Thermostat with a precise adjustment range

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Back



Thermostat

Thermostat



Thermostat



Back





Thermostat

T

20 - 80 °C

Temperature

A

20 A

Maximum current

V

110 - 240 V

Rated voltage

L

260 mm

Length

Custom manufacturing to your technical requirements



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Contact Us



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Website

www.damaettehad.com

Instagram

[@damaettehad](https://www.instagram.com/damaettehad)

Email

damaettehad.sale@gmail.com

To call or open our website and Instagram,
tap the contact details above



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User Guide

Dama Ettehad Manufacturing & Industrial Company

WWW.DAMAEETTEHAD.COM

Document Translation | 08

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

DNW — Certification Body. CERTIFICATE.

This verification of compliance is hereby issued to the below named company: Dama Ettehad.

Place of Central Office: Unit 8, Floor 3, No. 97, North Sohrevardi St., with Zeinali St., Tehran, IRAN.

Place of Factory: [first number unclear], No. 476, Pichak St., 5th Boostan St., Shenzar Industrial Estate, Pakdasht, Tehran, IRAN.

Product name: Electric Heating Elements.

Field of Activity: Manufacturing of Electric Heating Elements for Home Appliances as Water Heaters, Samovars, Rice Cookers, Irons, Washing Machines, Ovens, Dishwashers, etc., as Well as Industrial Heaters.

This product(s) has been shown to be in compliance only in accordance with the Technical Files that prepared by company. The Test Result is only based on annex 5 self-testimony, Self certified and technical file that prepared by company in below directives. (LVD) (2014/35/EU).

This certificate remains valid as long as the conditions laid down in the harmonized standard in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly; the factory or the FPC itself are not modified significantly.

MANAGEMENT. CE.

Original Approval: 08 Dec 2021. Current Certificate: 08 Dec 2021. Certificate Expiry: 08 Dec 2024.

Certificate Number: [not sufficiently clear].

DISCERNING NEW WISH — Certification Body.

Document Translation | 09

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

Islamic Republic of Iran. Iran National Standards Organization.
Tehran Provincial Standards Directorate.

License to use the voluntary standard mark.

Under the 1371 Iranian Solar Hijri law amending the laws and regulations of the Institute of Standards and Industrial Research of Iran, and pursuant to contract No. 1751 dated 1398/04/01 (Iranian Solar Hijri), Dama Ettehad is authorized to use the Iranian standard mark for metal-sheathed tubular heating elements for industrial applications, subject to compliance with Iranian National Standard No. 16192.

On behalf of the President of the Iran National Standards Organization: Mahmoudreza Taheri.

The license states that it is valid for three years from its renewal date.

The license number, issue and renewal dates, trademark details and small footer fields are not reliably legible in this scan.

Document Translation | 10

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

Islamic Republic of Iran. Iran National Standards Organization.
Tehran Provincial Standards Directorate.

License to use the mandatory standard mark.

Under the 1396 Iranian Solar Hijri Law on Strengthening and
Developing the Standardization System, and implementing the
resolutions of the Supreme Council of Standards, the Dama
Ettehad production unit is authorized to use the Iranian
standard mark for room heaters, specifically electric heaters
bearing energy label A, subject to compliance with Iranian
National Standards 1562-1, 1562-2-30 and 7342-2.

License issue date: 1395/10/14 (Iranian Solar Hijri). Renewal
date: 1398/10/14 (Iranian Solar Hijri).

On behalf of the President of the Iran National Standards
Organization: Mahmoudreza Taheri.

The scan carries a translator's stamp reading Dr. Leila Kordi,
Translator to the Judiciary of I.R. Iran, and True Certified Copy.
The license number and small footer fields are not reliably
legible.

Document Translation | 11

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

Islamic Republic of Iran. Iran National Standards Organization. Tehran Provincial Standards Directorate.

License to use the voluntary standard mark.

First issue: 1394/04/01 (Iranian Solar Hijri). Current issue: 1402/05/31 (Iranian Solar Hijri). Reissue number: 1.

Under the 1396 Iranian Solar Hijri Law on Strengthening and Developing the Standardization System and pursuant to contract No. 1751 dated 1398/04/01, the Dama Ettehad production unit is authorized to use the Iranian standard mark for metal-sheathed tubular heating elements for industrial applications, subject to relevant laws, regulations and Iranian National Standard No. 16192, under its registered image trademark.

Factory address shown: Pichak Street, 5th Boostan Street, after the fourth square, Shenzar Industrial Estate, Pakdasht; lots 476, 477 and 478.

Mehdi Eslampanah. On behalf of the President of the Iran National Standards Organization: Mohammad Hossein Taheri.

The document states that its latest validity status may be checked at isom.inso.gov.ir/parvaneh and that it is valid for three years from the current issue date.

The license number, trademark registration details and small personal identifiers are not reliably transcribed here.

Document Translation | 12

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

Islamic Republic of Iran. NACI — National Accreditation Center of Iran.

Laboratory Accreditation Certificate.

The National Accreditation Center of Iran (NACI) herewith confirms that body: Dama Etehad.

Address: No. 468, Soosan St., 5th Boostan St., After 4th Sq., Shenzar Industrial town, Pakdasht, Tehran, I.R. IRAN.

Postal Code: 3394179408. Tel: +98 (21) 34651000. Fax: +98 (21) 34651000. Web Site: ---.

Has fulfilled the INSO-ISO/IEC 17025:2017 and is competent to carry out Test services according to accreditation scope listed in 1 page of annex. Calibration box is not selected.

Validity of accreditation depends on continuity of compliance with the relevant requirements and obtaining approval based on the annual surveillance assessment.

The unique identification number of this accreditation certificate and all attachments are the same.

To control the originality of this certificate, visit the website of NACI (naciportal.inso.gov.ir).

Date and place of granting: 1402/06/18, Tehran (Iranian Solar Hijri). Expiry: 1406/06/18 (Iranian Solar Hijri). Reissue and correction dates: ---.

Dr. S. M. Hashemi — NACI President.

Page 1 of 2. NACI-F315. Revision No. 01. Review date: 1402/03/01 (Iranian Solar Hijri).

Persian signatory: Dr. Seyed Mahmoud Hashemi, President of the National Accreditation Center of Iran.

Devotional line: O God, hasten the deliverance of Your guardian.

Document Translation | 13

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

MTIC INTERCERT. CERTIFICATE.

Certificate No. 25-Q-1002508-MTIC.

We hereby certify that the quality management system operated by Dama Etehad Co., No. 476, Pichak St., 5th Boostan St., after 4th Sq., Shenzar Industrial town, Pakdasht, Tehran, Iran, is in compliance with the requirements of standard DIN EN ISO 9001:2015.

This certificate is valid for the following activities: Production of tubular heating element with metal coating.

Audit Report No. RC-0425-Q-MTIC-MS-1002508-25.

First issue date: 21.04.2025. Revision date: 21.04.2025. Expiry date: 20.04.2028.

The validity of this certificate is subject to periodical audits and the complete reassessment of the system every three years.

For further questions regarding this certificate, please contact www.mtic-group.org.

Bonn, 21.04.2025. Eng. K. Lindenblatt. InterCert Certification Body.

InterCert GmbH — Group of MTIC — Am Bonner Bogen 2 — 53227 Bonn, Germany. www.mtic-group.org.

IAF. DAkkS, Deutsche Akkreditierungsstelle, D-ZM-16012-01-00.

Document Translation | 14

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

ARIAN TUV PASARGAD. ATTESTATION.

Attestation No. 25-B2-1002593-TIC.

We hereby attest that complaint process operated by Dama Etehad Co., No. 476, Pichak St., 5th Boostan St., after 4th Sq., Shenzar Industrial town, Pakdasht, Tehran, Iran, is in compliance with the requirements of standard ISO 10002:2018. Quality management — customer satisfaction — guidelines for monitoring and measuring.

This attestation is valid for the following activities: Production of tubular heating element with metal coating.

An audit was performed, Report No. RC-0425-B2-TIC-MS-1002593-25.

First issue date: 21.04.2025 / 1404/02/01 (Iranian Solar Hijri).

Revision date: 21.04.2025 / 1404/02/01 (Iranian Solar Hijri).

Revision No. 00.

Expiring date: 20.04.2028 / 1407/01/31 (Iranian Solar Hijri).

The validity of this certificate is subject to periodical audits and the complete reassessment of the system every three years.

For further questions regarding this certificate, please contact www.atpcert.ir.

Tehran, Iran — 21 Apr 2025. Kourosh Azarnia. ARIAN TUV PASARGAD Certification Body.

ARIAN TUV PASARGAD, No. 34, Kafiabadi Alley, Pesyan St., Tehran, Iran. www.atpcert.ir.

Document Translation | 15

Reference translation of legible text. The original document remains unchanged; unclear scan details are not reconstructed.

ARIAN TUV PASARGAD. ATTESTATION.

Attestation No. 25-B4-1002593-TIC.

We hereby attest that complaint process operated by Dama Etehad Co., No. 476, Pichak St., 5th Boostan St., after 4th Sq., Shenzar Industrial town, Pakdasht, Tehran, Iran, is in compliance with the requirements of standard ISO 10004:2018. Quality management — customer satisfaction — guidelines for monitoring and measuring.

This attestation is valid for the following activities: Production of tubular heating element with metal coating.

An audit was performed, Report No. RC-0425-B4-TIC-MS-1002593-25.

First issue date: 21.04.2025 / 1404/02/01 (Iranian Solar Hijri).

Revision date: 21.04.2025 / 1404/02/01 (Iranian Solar Hijri).

Revision No. 00.

Expiring date: 20.04.2028 / 1407/01/31 (Iranian Solar Hijri).

The validity of this certificate is subject to periodical audits and the complete reassessment of the system every three years.

For further questions regarding this certificate, please contact www.atpcert.ir.

Tehran, Iran — 21 Apr 2025. Kourosh Azarnia. ARIAN TUV PASARGAD Certification Body.

ARIAN TUV PASARGAD, No. 34, Kafiabadi Alley, Pesyan St., Tehran, Iran. www.atpcert.ir.