



#### **EC** Certificate

Directive 93/42/EEC Annex II, excluding Section 4
Full Quality Assurance System
Medical Devices

Registration No.: HD 60144008 0001

Report No.: 17047780 009

Manufacturer: Aidite (Qinhuangdao) Technology

Co., Ltd.

No. 9 Dushan Road, Economic And Technological Development Zone

Qinhuangdao City 066004 Hebei

China

Products: - Dental Zirconia Ceramics

- Dental Glass Ceramics

- Coloring Liquid Specializeds for Aidite Zirconia Material

- Porcelain Powder

- PMMA Blocks for Dental Use

Replaces Approval, Registration No.: HD 60139224 0001

Expiry Date: 2024-05-27

The Notified Body hereby declares that the requirements of Annex II, excluding section 4 of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex II, section 5 of the aforementioned directive. For placing on the market of class III devices covered by this certificate an EC design-examination certificate according to Annex II, section 4 is required.

Effective Date:

2019-12-02

Date:

2019-12-02

TÜV Rheinland LGA Products GmbH - Tillystraße 2 0431 Nürnberg
TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC

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concerning medical devices with the identification number 0197.

### | Product advantage | >>>

#### Aizir

Aizir represents Aidite's most advanced R&D and production lever integrating several patented technologies in one disc, meanwhile meeting the full range of indications. It has larger systematic processing, a wider sintering temperature range, and a increased stable three-dimensional gradient effect.

Aizir will uphold the vision of "making people healthier and more beautiful" and redefine all-ceramic prosthetic materials.



# 16 years

Aidite has 16 years of experience in the development and production of zirconia, with stable material performance.

# 2 h

On the basis of realizing rapid sintering, Aizir is compatible with many kinds of Aidite zirconia materials (such as SHT-PC, SHTM) to achieve simultaneous sintering of multiple materials.

# 1510-1570°C

Aizir has an ultra-wide sintering temperature range, giving a perfect bionic aesthetic effect at different temperatures.

# Incisal layer

53% Translucency 700 MPa



# Shade and dimension »



### [ Parameters and application systems »

Color	Vita 16 colors/OM1/OM2/OM3		9	
Aesthetic	Super high translucency	$\cup$	0	$\bigcirc$
Sintered density	≥6.0g/cm³	98mm	95mm	92x75mm
Bending strength	Cervical part 1050MPa			
Fracture toughness	5Mpam <sup>0,5</sup>	$\Box$		
Hardness (Hv10)	1250	Sirona	Other	

#### Indications »













bridge







Full contour screretained bridge

# Digital work flow »

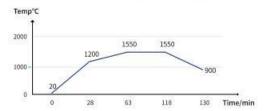
Aizir is one incredible material, which can be used in the above systems, but it is also part of an entire digital workflow. From the intraoral scan to the final restoration, Aidite have validated workflows with equipment and material for the whole process. Can be achieved faster production time and higher quality with Aizir, take advantages of our service full technical and engineer support, through our dealers and ourselves 7days 24hours never stop worldwide. With Aizir, you are not just purchasing any ordinary zirconia disc, but investing in a part of a wider dedicated system, benefitting the whole dental team and their patients. Dentists will definitely need it once they find out how different it is.



# Sintering curve »

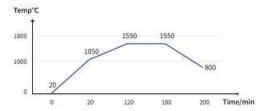
#### Single crowns & Bridges≤ 3 unit(2h)

Start temp	Phase I heating rate	Phase I Maximum temp	Phase 2 heating rate	Phase 2 Maximum temp			
20°C	43°C/min	1200°C	10°C/min	1550°C	55min	55°C/min	900°C



#### Bridges 4-6 unit (3.4h)

Start temp	Phase 1 heating rate	Phase I Maximum temp	Phase 2 heating rate				
20°C	51.5°C/min	1050°C	5°C/min	1550°C	60min	37.5°C/min	800°C



# Bridges≥7 unit(11.5h)

Start temp	Phase I heating rate	Phase I Maximum temp	Holding time	Phase 2 heating rate	Phase 2 Maximum temp	Holding time	Cooling rate	Cooling to
20°C	5°C/min	900°C	30min	3°C/min	1530°C	120min	8°C/min	300°C

