



# WELDING CONSUMABLE CERTIFICATE

Certificate No.: 757982-3598886-01 \_\_\_\_\_

Report No.: IS3598886 \_\_\_\_\_

Port of: ISTANBUL \_\_\_\_\_

Date: 13 JUNE 2019 \_\_\_\_\_

## THIS IS TO CERTIFY

THAT THE UNDERSIGNED SURVEYOR TO THIS BUREAU DID, AT THE REQUEST OF GEDIK KAYNAK SAN. VE TIC. A.S , ATTEND THEIR PLANT AT PENDIK - ISTANBUL / TURKEY , ON THE 24 DAY OF DECEMBER , 2018 AND ON SUBSEQUENT DATES, IN ORDER TO CARRY OUT A PLANT SURVEY OF FACILITIES AND ASSOCIATED QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES AND TO WITNESS AND REPORT ON THE ANNUAL APPROVAL TESTING OF WELDING CONSUMABLES; AND,

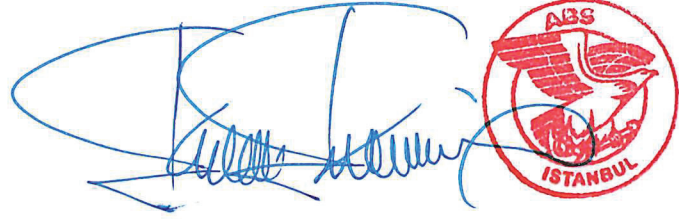
THAT THE FACILITY IS CONSIDERED CAPABLE OF PROVIDING AN ACCEPTABLE UNIFORM PRODUCT, AND THAT EACH WELDING CONSUMABLE LISTED BELOW WAS FOUND IN COMPLIANCE WITH THE SPECIFICATION INDICATED AND IS ELIGIBLE TO BE PLACED ON THIS BUREAU'S APPROVED WELDING CONSUMABLES LIST IN THE SHIELDED METAL ARC WELDING SECTION:

<u>TRADE NAME</u>	<u>SPECIFICATION</u>	<u>GRADE OR CLASS</u>	<u>SHIELDING GAS</u>	<u>POSITION</u>	<u>CURRENT/ POLARITY</u>	<u>SIZE</u>
GeKa ELIT	ABS	2	---	ALL	DCEN / AC	2.0 - 5.0 mm
GeKa PANTERA	ABS	2	---	ALL	DCEN / AC	2.0 - 5.0 mm
GeKa CEM	ABS	2	---	F	DCEN / AC	3.2 - 5.0 mm
GeKa LASER B47	ABS	3Y,3Y H5**	---	ALL	DCEP	2.5 - 5.0 mm
GeKa LASER B47 A	ABS	3Y,3Y H5**	---	ALL	DCEP / AC	2.5 - 5.0 mm
GeKa LASER B 50	ABS	3Y,3Y H5*	---	ALL	DCEP	2.5 - 5.0 mm
GeKa LASER B 55	ABS	3Y,3Y H5**	---	ALL	DCEP	2.5 - 5.0 mm
GeKa LASER B 55-S	ABS	3Y,3Y H5**	---	ALL	DCEP	2.5 - 5.0 mm
GeKa TEMPO B 48	AWS A5.5	E7018-G	---	ALL	DCEP	2.5 - 5.0 mm
GeKa TEMPO B 48	ABS	3Y,3Y H5*	---	ALL	DCEP	2.5 - 5.0 mm
GeKa TEMPO B 85M	AWS A5.5	E11018-M*	---	ALL	DCEP	2.5 - 5.0 mm
GeKa LASER 43	ABS	4Y,4Y400 H5	---	ALL	DCEP	2.5 - 5.0 mm
GeKa LASER 43	AWS A5.1	E7016-1 H4	---	ALL	DCEP	2.5 - 5.0 mm
GeKa TEMPO B 65	ABS	4YQ460 H5	---	ALL	DCEP	2.5 - 5.0 mm
GeKa TEMPO B70S	ABS	4YQ500 H5	---	ALL	DCEP	2.5 - 5.0 mm
GeKa NIBAZ B70	AWS A5.11	ENiCrFe-3	---	ALL	DCEP	2.5 - 4.0 mm

\* Impact tests were carried out at - 60 C.

\*\* Impact tests were carried out at - 40 C.

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

A handwritten signature in blue ink is positioned to the left of a red circular stamp. The stamp features the American Bureau of Shipping (ABS) logo, which includes a stylized eagle with wings spread, and the word "ABS" at the top and "ISTANBUL" at the bottom.

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EVREN ERDIR SURVEYOR

**Note:** This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



Certificate number : WM 12259/01/U.0

File number : 512/04

## TYPE APPROVAL CERTIFICATE

as per Bureau Veritas Marine & Offshore Classification Rules

This certificate is issued to

**Gedik Kaynak Sanayi Ve Ticaret A/S**  
Istanbul - TURKEY

for the product

### Covered Electrode for Manual Metal Arc Welding

<b>Designation</b>	: Geka ELIT
<b>Grade</b>	: 2
<b>Description</b>	: Rutile covering
<b>Diameter</b>	: 2.0 - 2.5 - 3.20 - 4.0 - 5.0 mm
<b>Welding current</b>	: AC/DC
<b>Welding position</b>	: Down hand (P), Vertical upwards (V), Horizontal-Vertical (H), Overhead (T), Horizontal fillet (FP), Vertical upwards fillet (FM), Overhead fillet (FT)
<b>Remark</b>	: Nil.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of Bureau Veritas Marine & Offshore Rules on Materials and Welding for the Classification of Marine Units.

**This certificate will expire on: 16 Jun 2021**

**For Bureau Veritas Marine & Offshore,**

Local office: BV ISTANBUL

Issued on 16 Jun 2020

Surveyor: G. Yilmaz



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.



ACCORDING to REGULATION EU No 305/2011  
**DECLARATION OF PERFORMANCE**  
No.GK.ELİT.CPR.2013



- Unique identification code of the product-type:**  
**GeKa ELİT (EN ISO 2560-A – E 42 0 RR 12)**
- Type, batch or serial number or any other element allowing identification of the construction product:  
**See batch number and date of manufacture on packaging**
- Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:  
**Use in metallic structures or in composite metal and concrete structures**
- Name, registered trade name and contact address of the manufacturer as required pursuant to Article 11(5):**  
**Gedik Kaynak San ve Tic A.Ş. Ankara Caddesi No.306 Seyhli 34906 Istanbul / Turkey [www.gedikwelding.com](http://www.gedikwelding.com)**
- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:  
**System 2+**
- In case of the declaration of performance concerning a construction product covered by a harmonized standard:  
**Notified factory production control certification body number 0035 – TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, D-51105 Cologne, Germany - performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control; Certificate no: 0035-CPR-C602**
- Declared performance

Essential characteristics (EN 13479: 2004, Annex ZA)	Performance	Harmonized technical specification
Tolerances on dimensions	passed	EN 13479:2004 , EN ISO 544: 2011
Elongation	≥ 20 %	EN 13479: 2004, EN ISO 2560: 2009
Tensile strength	500 – 640 MPa	EN 13479: 2004, EN ISO 2560: 2009
Yield strength	≥ 420 MPa	EN 13479: 2004, EN ISO 2560: 2009
Impact strength	≥ 47 J (0 °C)	EN 13479: 2004, EN ISO 2560: 2009
Chemical composition	passed	EN 13479: 2004, EN ISO 2560: 2009
Durability	passed	EN 13479: 2004
Dangerous substances	passed**)	EN 13479:2004
Emission of radioactivity	Is not relevant	EN 13479:2004

\*\* ) More details about dangerous substances see safety data sheet

- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4..

Signed for, and on behalf of the manufacturer by:

Burak KÜÇÜKKEÇECİ  
Quality Control Manager



## Zulassungszertifikat für Schweißzusätze und Schweißhilfsstoffe

**Hersteller:** Gedik Kaynak Sanayi Ve Ticaret A. S.  
Ankara Cad. No. 306  
34906 PENDIK-ISTANBUL  
TÜRKEI

<b>Schweißzusatz:</b>	Stabelektrode	<b>DB-Zulassungs-Nr.:</b>	10.110.02
<b>Markenbezeichnung:</b>	GeKa ELIT	<b>Geltungsdauer:</b>	31.12.2020
<b>Normbezeichnung:</b>	DIN EN ISO 2560-A-E 42 0 RR 12		

### Geltungsbereich aufgrund der nach VA 918 490 durchgeführten Eignungsprüfung:

**Werkstoffgruppe nach CEN ISO/TR 15608 <sup>1)</sup>:** 1.2

**Schweißprozess nach DIN EN ISO 4063:** 111

**Schweißpositionen nach DIN EN ISO 6947:** PA, PB, PC, PF

**Stromart und Polung:** = (-), ~

**Durchmesserbereich:** 2,5 – 5,0 mm

**Bemerkungen/Schweißbedingungen:** Die Zulassung gilt nur für:  
- S235 mit  $t \leq 16$  mm und  $a \leq 10$  mm  
- S275 mit  $t \leq 12$  mm und  $a \leq 8$  mm  
- S355 mit  $t \leq 8$  mm und  $a \leq 6$  mm.

Kirchmöser, den 01.03.2018

  
.....  
(Dip.-Ing. (FH) Kupiec - Leiter Zertifizierungsstelle )

<sup>1)</sup> Erläuterungen zu den mitgeltenden Werkstoffen sind der VA 918 490, Anhang 3 zu entnehmen.

**TYPE APPROVAL CERTIFICATE****This is to certify:****That the Electrode**

with trade name

**GeKa ELIT**

Manufacturer

**Gedik Kaynak Sanayi ve Ticaret A.S.  
Istanbul, Turkey**

is found to comply with

**DNV GL rules for classification – Ships**

with this approval

<b>Grade</b>	<b>2</b>
<b>Current</b>	<b>AC, DC -</b>
<b>Approved diameter</b>	<b>2,0 - 5,0mm</b>
<b>Positions</b>	<b>All, except vertical down</b>
<b>Remarks</b>	<b>---</b>

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**This Certificate is valid until **2021-06-30**.Issued at **Hamburg** on **2016-07-20**DNV GL local station: **Istanbul**Approval Engineer: **Hans-Joachim Vogt**for **DNV GL**

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**Thorsten Lohmann**  
**Head of Section**

Any significant change in design or construction may render this Certificate invalid.

**СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р**  
**ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ**



# СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС TR.AG81.H08013

Срок действия с 21.09.2017 по 20.09.2020

№ **0173545**

**ОРГАН ПО СЕРТИФИКАЦИИ** ОГРН 1117746284260. **ОРГАН ПО СЕРТИФИКАЦИИ ПРОДУКЦИИ** ООО «Бирюза».  
Адрес: 142703, Россия, Московская область, Ленинский район, город Видное, Промзона территория, корпус 526.  
Телефон: +74955328497, факс: +74955328497, адрес электронной почты: cs.biryuza@yandex.ru.  
Аттестат аккредитации № РОСС RU.0001.11AG81.

**ПРОДУКЦИЯ** Сварочные электроды с покрытием, торговой марки «Geka», «GeKaТес», модели: (смотреть приложение на 5 листах, бланки №№ 0032139-0032143) Серийный выпуск.

КОД ОК  
код ОК 034-2014  
(КПЕС 2008)  
25.93.15.120

**СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ**  
по спецификации изготовителя.

КОД ТН ВЭД  
8311

**ИЗГОТОВИТЕЛЬ** «GEDİK KAYNAK SANAYİ ve TİCARET A.Ş.»  
Адрес: Турция, Ankara Caddesi No:306 Şeyhli 34906 Pendik İstanbul Türkiye.

**СЕРТИФИКАТ ВЫДАН** «GEDİK KAYNAK SANAYİ ve TİCARET A.Ş.»  
Адрес: Турция, Ankara Caddesi No:306 Şeyhli 34906 Pendik İstanbul Türkiye  
Телефон: +90 216 378 50 00.

**НА ОСНОВАНИИ** протокола № 16479-392/1-1-17/ЕМ от 18.09.2017 года Испытательной лаборатории Общества с ограниченной ответственностью «Инновационные решения», регистрационный номер аттестата аккредитации № РОСС RU.0001.21AB90.

**ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ** Схема сертификации: 3с



**Руководитель органа**  
(заместитель руководителя)

**Эксперт**

*[Handwritten signature]*  
подпись  
*[Handwritten signature]*  
подпись

**Ж.В. Иванова**

инициалы, фамилия

**И.М. Мельситдинова**

инициалы, фамилия

Сертификат не применяется при обязательной сертификации

**СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р**  
**ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ**

№ **0032139**

**ПРИЛОЖЕНИЕ**

РОСС TR.AГ81.H08013

К сертификату соответствия № \_\_\_\_\_

**Перечень конкретной продукции, на которую распространяется  
 действие сертификата соответствия**

код ОК	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, по которой выпускается продукция
код ТН ВЭД		
25.93.15.120 8311	Сварочные электроды с покрытием, торговой марки «GeKa», «GeKaTec», модели: GeKaTec CU- WELD GeKaTec BRONZE GeKaTec ALBRONZE GeKaTec ALUWELD- Si GeKaTec ALUWELD 12 Si GeKaTec ALUWELD 99 Al  GeKaTec St- CAST GeKaTec Ni- CAST GeKaTec Ni- CAST BFNC GeKaTec Fe- CAST GeKaTec Fe- CAST HD  GeKaTec ANTI-CRACK 7015 GeKaTec ANTI-CRACK B 90 GeKaTec 299 SUPER GeKaTec 299 HD GeKaTec UNIBASE 660 HD GeKaTec 410 HD  GeKaTec FAZER 300 GeKaTec FAZER 17 MnCr GeKaTec KAVTAM GeKaTec FAZER 55 HD GeKaTec FAZER 63 HD GeKaTec FAZER 65 B GeKaTec COBALT 6 GeKaTec COBALT 12 GeKaTec COBALT 1 GeKaTec COBALT 21 GeKaTec THERMO DUR GeKaTec THERMO ROLL GeKaTec THERMO WELD GeKaTec THERMO RESIST GeKaTec TOOL 58 S GeKaTec TOOL 60  GeKa ELHARD 250 GeKa ELHARD 300 GeKa ELHARD 300 R GeKa ELHARD 350 GeKa ELHARD 400 GeKa ELHARD 410 R	



**Руководитель органа**  
 (заместитель руководителя)

*И.И.*  
 подпись  
*И.И.*  
 подпись

**Ж.В. Иванова**

инициалы, фамилия

**И.М. Мельситдинова**

инициалы, фамилия

**Эксперт**



# СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

№ 0032140

## ПРИЛОЖЕНИЕ

РОСС TR.AГ81.H08013

К сертификату соответствия № \_\_\_\_\_

Перечень конкретной продукции, на которую распространяется  
действие сертификата соответствия

код ОК	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, по которой выпускается продукция
код ТН ВЭД		
25.93.15.120 8311		
	GeKa ELHARD 500 GeKa ELHARD 600 GeKa ELHARD 600 S GeKa ELHARD 600 R GeKa ELHARD 650 GeKa ELHARD 650 Si GeKa ELHARD 700 GeKa ELHARD 14 Mn GeKa ELHARD 40 W GeKa ELHARD 56 GeKa ELHARD 58 GeKa ELHARD 60 GeKa ELHARD 62 GeKa ELHARD 63 GeKa ELHARD 65  GeKa NIBAZ B 65 GeKa NIBAZ B 65 W GeKa NIBAZ B 70 GeKa NIBAZ B 71  GeKa ELIT CUT GeKa ELIT NUT  GeKaTec GROVE GeKaTec AIR  GeKa ELOX R 309 L-17 GeKa ELOX R 309 MoL GeKa ELOX R 309 MoL-17 GeKa ELOX B 309 GeKa ELOX R 310 GeKa ELOX R 310 Mo GeKa ELOX B 310 GeKa ELOX R 312 GeKa ELOX R 312 A	



Руководитель органа  
(заместитель руководителя)

Эксперт

  
подпись  
  
подпись

Ж.В. Иванова

инициалы, фамилия

И.М. Мельситдинова

инициалы, фамилия

**СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р**  
**ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ**

№ **0032141**

**ПРИЛОЖЕНИЕ**

РОСС TR.АГ81.Н08013

К сертификату соответствия № \_\_\_\_\_

**Перечень конкретной продукции, на которую распространяется  
 действие сертификата соответствия**

код ОК	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, по которой выпускается продукция
код ТН ВЭД		
25.93.15.120 7311	GeKa ELOX R 312 A GeKa ELOX R 316 L GeKa ELOX R 316 L-17 GeKa ELOX B 316 L GeKa ELOX RS 316 GeKa ELOX R 317 L GeKa ELOX R 318 GeKa ELOX B 318 GeKa ELOX B 327 GeKa ELOX R 347 GeKa ELOX B 347 GeKa ELOX R 385 GeKa ELOX B 385 GeKa ELOX B 410 GeKa ELOX B 410 Ni Mo GeKa ELOX BS 410 Ni Mo GeKa ELOX B 430 GeKa ELOX B 430 Mo GeKa ELOX R 2209 GeKa ELOX B 2209 GeKa ELOX B 16-8-2  GeKa ELNIKEL GeKa ELNIKEL-NC GeKa ELNIFER GeKa ELMONEL GeKa ELFER  GeKa TEMPO B 75 GeKa TEMPO B 85 M GeKa TEMPO B 90 GeKa TEMPO Ni Cu GeKa TEMPO B W 2 GeKa TEMPO B 1 GeKa TEMPO B 2 GeKa TEMPO B 3	



**Руководитель органа**  
(заместитель руководителя)

**Эксперт**

*Ж.В. Иванова*  
подпись

*И.М. Мельситдинова*  
подпись

**Ж.В. Иванова**

инициалы, фамилия

**И.М. Мельситдинова**

инициалы, фамилия

# СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

№ 0032142

## ПРИЛОЖЕНИЕ

РОСС TR.AG81.H08013

К сертификату соответствия № \_\_\_\_\_

**Перечень конкретной продукции, на которую распространяется действие сертификата соответствия**

код ОК	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, по которой выпускается продукция
код ТН ВЭД		
25.93.15.120 7311	GeKa OPUS MOR GeKa OPUS MOB GeKa OPUS C GeKa OPUS CM GeKa OPUS CM-15 GeKa OPUS CML GeKa OPUS CMV GeKa OPUS 2 CM GeKa OPUS 2 CM-15 GeKa OPUS 2 CML GeKa OPUS 5 CM GeKa OPUS 9 CM GeKa OPUS 9 CMV GeKa OPUS 9 CMV-15 GeKa ELOX B 307 GeKa ELOX R 307 GeKa ELOX B 307 L GeKa ELOX RS 307 GeKa ELOX R 308 L GeKa ELOX R 308 L-17 GeKa ELOX R 308 H GeKa ELOX B 308 H GeKa ELOX B 308 L GeKa ELOX R 308 L Mo GeKa ELOX RS 308 GeKa ELOX R 309 L  GeKa ELIT GeKa PANTERA GeKa LOTUS GeKa EGE GeKa GRANIT GeKa STEP GeKa INTER GeKa ELIT ARMCO GeKa ELIT R 110 GeKa CEM	



Руководитель органа  
(заместитель руководителя)

Эксперт

подпись

подпись

Ж.В. Иванова

инициалы, фамилия

И.М. Мельситдинова

инициалы, фамилия

**СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р**  
**ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ**

№ **0032143**

**ПРИЛОЖЕНИЕ**

РОСС TR.AG81.H08013

К сертификату соответствия № \_\_\_\_\_

**Перечень конкретной продукции, на которую распространяется  
 действие сертификата соответствия**

код ОК	Наименование и обозначение продукции, ее изготовитель	Обозначение документации, по которой выпускается продукция
код ТН ВЭД		
25.93.15.120 7311	GeKa LINK 6010 GeKa LINK 7010- G GeKa LINK 7010- P1 GeKa LINK 8010- P1 GeKa LINK 8010- G  GeKa LASER B 43 GeKa LASER B 47 GeKa LASER B 47- A GeKa LASER B 50 GeKa LASER B 55 GeKa LASER B 55 S GeKa LASER B 60 GeKa LASER B 160  GeKa TEMPO B 48 GeKa TEMPO B 60 GeKa TEMPO B 63 GeKa TEMPO B 65 GeKa TEMPO B 70 M GeKa TEMPO B 70 S GeKa TEMPO B 70 Mo	
	ИЗГОТОВИТЕЛЬ «GEDİK KAYNAK SANAYİ ve TİCARET A.Ş.» Адрес: Турция, Ankara Caddesi No:306 Şeyhli 34906 Pendik İstanbul Türkiye.	



**Руководитель органа**  
(заместитель руководителя)

**Эксперт**

*Инициалы*  
\_\_\_\_\_ подпись  
*Инициалы*  
\_\_\_\_\_ подпись

**Ж.В. Иванова**

инициалы, фамилия

**И.М. Мельситдинова**

инициалы, фамилия



# Welding Consumables Annual Re- Approval Certificate

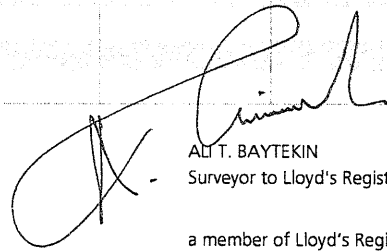
Date  
30 April 2019

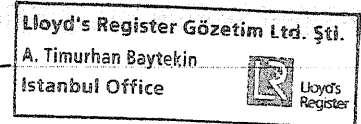
Office  
ISTANBUL

This certificate is issued to  
**GEDİK KAYNAK SANAYİ VE TİCARET A.Ş.**

The undermentioned welding consumables supplied by the company named above have been approved for a further year ending  
**31.12.2019** with the grading shown.

Trade Name	Section	Grading
GEKA LASER B-47	3	DXVuO BF 3Ym H15
GEKA LOTUS	3	DXVuO BF 2m NR
GEKA PANTERA	3	DXVuO BF 2m NR
GEKA ELIT	3	DXVuO BF 2m NR
GEKA S1 / ELIFLUX BAR	4	D B 2T NR 20
GEKA S2Si / ELIFUX BFB	4	D B 3YM NR NA
GEKA S2 / ELIFLUX BFB	4	D BF 3M NR NA
GEKA ELCOR R 71 /CO2	5	DXVudO BF 3YS H10 NA
GEKA SG2 78% Ar - 20% CO2 - 2% O2	5	DXVu BF 3YS H15 NA

  
ALI T. BAYTEKIN  
Surveyor to Lloyd's Register Gozetim Ltd. Sti.



a member of Lloyd's Register Group Limited

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



**APPROVAL OF WELDING CONSUMABLES CERTIFICATE**  
No. QBI121619XT/001

**This is to certify** that the following product, in view of the tests carried out, has been approved.

<i>Description</i>	<b>Covered electrodes for manual welding</b>
<i>Type</i>	<b>GEKA ELIT</b>
<i>Class</i>	<b>2</b>
<i>Applicant</i>	<b>GEDIK KAYNAK SANAYI VE TICARET A.S. ANKARA CADDESİ, NO.306 SEYHLI, PENDİK 81520 Istanbul TURKEY</b>
<i>Manufacturer</i>	<b>GEDIK KAYNAK SANAYI VE TICARET A.S.</b>
<i>Place of manufacture</i>	<b>ANKARA CADDESİ, NO.306 SEYHLI, PENDİK 81520 Istanbul TURKEY</b>
<i>Reference standards</i>	<b>Part D, Chapter 5, Section 2 of RINA Rules for the classification of ships</b>

The approval is valid for one year and can be reconfirmed subject to the satisfactory outcome of the prescribed control tests.

*Issued in* **ISTANBUL** on **March 3, 2020**. *This Certificate is valid until* **February 28, 2021**



*Signature*  
RINA Services S.p.A.  
**Volkan Kocyigit**

This certificate consists of this page and 1 enclosure



**APPROVAL OF WELDING CONSUMABLES CERTIFICATE**

No. QBI121619XT/001

Enclosure - Page 1 of 1

**GEKA ELIT**

GEDIK KAYNAK SANAYI VE TICARET A.S.

ANKARA CADDESİ, NO.306 SEYHLI, PENDİK  
- 81520 İstanbul - TURKEY

Class

2

Diameters

2-2.5-3-3.25-4-5-6

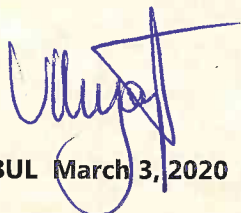
mm

Welding positions

all positions excluding vertical  
in downward direction

Type of current

direct current reverse polarity  
and alternating



ISTANBUL March 3, 2020



Certificate No:20-0178-1  
Sertifika No

# TÜRK LOYDU

## ANNUAL TEST CERTIFICATE FOR WELDING CONSUMABLES KAYNAK DOLGU MALZEMELERİ YILLIK TEST SERTİFİKASI

This is to certify that the below mentioned products have been inspected and tested and found satisfactory according to Türk Loydu Rules for Classification of Steel Ships - Welding.  
Aşağıda belirtilen ürünlerin testlerinin yapıldığı ve Türk Loydu Tekne Yapımında Kaynak Kuralları uyarınca uygun bulunduğu onaylanır.

Manufacturer: GEDİK KAYNAK SANAYİ VE TİCARET A.Ş.  
Üretici

Product Ürün	Welding Flux/ Shielding Gas Kaynak Tozu/ Koruyucu Gaz	Grade/ Suffix Derecesi/ Ek
Covered Electrodes Örtülü Elektrodlar GeKa ELİT GeKa LOTUS GeKa LASER B47	-	2 2 4YH5
Flux Cored Wire - Gas Combinations Gazaltı Özlü Kaynak Teli GeKa ELCOR R 81 Ni	CO2	4Y46S H5
Wire - Gas Combinations Tel - Gaz Kombinasyonu GeKa SG2/M24	M24(%78 Ar+%20 CO2+%2 O2)	4YMS
Wire - Flux Combinations Tel - Toz Kombinasyonu GeKa S1/BAR GeKa S2/BFB	BAR BFB	2T 4YM

Date of Test: 23.01.2020  
Test Tarihi

Valid Until:  
Geçerlilik Süresi

Ocak / January 2021

ISTANBUL  
(Place/Yer)

30.01.2020  
(Date/Tarih)



Hasan HABİBOĞLU  
Surveyor to Türk Loydu





Certificate No:20-0178-2  
Sertifika No

# TÜRK LOYDU

## ANNUAL TEST CERTIFICATE FOR WELDING CONSUMABLES KAYNAK DOLGU MALZEMELERİ YILLIK TEST SERTİFİKASI

This is to certify that the below mentioned products have been inspected and tested and found satisfactory according to Türk Loydu Rules for Classification of Steel Ships - Welding.  
Aşağıda belirtilen ürünlerin testlerinin yapıldığı ve Türk Loydu Tekne Yapımında Kaynak Kuralları uyarınca uygun bulunduğu onaylanır.

Manufacturer: GEDİK KAYNAK SANAYİ VE TİCARET A.Ş.  
Üretici

Product Ürün	Welding Flux/ Shielding Gas Kaynak Tozu/ Koruyucu Gaz	Grade/ Suffix Derecesi/ Ek
Covered Electrodes Örtülü Elektrodlar GeKa PANTERA	-	2
Flux Cored Wire - Gas Combinations Gazaltı Özlü Kaynak Teli GeKa ELCOR R 71 GeKa ELCOR R 110	CO2 CO2	4YSA H5 3Y62 SA H5
Wire - Gas Combinations Tel - Gaz Kombinasyonu		
Wire - Flux Combinations Tel - Toz Kombinasyonu		

Date of Test: 06.05.2020  
Test Tarihi

Valid Until:  
Geçerlilik Süresi

Mayıs / May 2021



Istanbul  
(Place/Yer)

08.05.2020  
(Date/Tarih)

Hasan HABİBOĞLU  
Surveyor to Türk Loydu



**TÜRK STANDARDLARI ENSTİTÜSÜ**  
**TÜRK STANDARDLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**



<b>BELGE NUMARASI</b> REFERENCE NUMBER OF LICENCE	002796-TSE-03/01
<b>BELGENİN İLK VERİLİŞ TARİHİ</b> DATE OF FIRST ISSUE OF LICENCE	21.06.2010
<b>BELGENİN SON GEÇERLİLİK TARİHİ</b> LICENCE VALID UNTIL	27.09.2020
<b>BELGE SAHİBİ KURULUŞUN ADI</b> NAME OF THE LICENCE HOLDER	GEDİK KAYNAK SANAYİ VE TİCARET ANONİM ŞİRKETİ
<b>BELGE SAHİBİ KURULUŞUN ADRESİ</b> ADDRESS OF THE LICENCE HOLDER	ŞEYHLİ ANKARA CAD NO:306 /XXX PENDİK İSTANBUL/TÜRKİYE
<b>ÜRETİM YERİ ADI</b> NAME OF THE MANUFACTURING PLACE	GEDİK KAYNAK SANAYİ VE TİCARET A.Ş.
<b>ÜRETİM YERİ ADRESİ</b> ADDRESS OF THE MANUFACTURING PLACE	ANKARA CAD. NO:306 34913 ŞEYHLİ-PENDİK İSTANBUL / TÜRKİYE
<b>İPTAL EDİLEN BELGE NUMARASI (Varsa)</b> INDICATION OF SUPERSEDED LICENCE (if any)	14.10.02/TSE-14798
<b>TESCİLLİ TİCARİ MARKASI</b> REGISTERED TRADE MARK	GeKa
<b>İLGİLİ TÜRK STANDARDI</b> RELATED TURKISH STANDARD	TS EN ISO 2560 / 13.03.2013
<b>BELGE KAPSAMI</b> SCOPE OF LICENCE	

\*ALAŞIMSIZ VE İNCE TANELİ ÇELİKLERİN ELLE YAPILAN ARK KAYNAĞI İÇİN ÖRTÜLÜ ELEKTROTTLAR  
-TS EN ISO 2560-A-E 38 0 RC 12  
-TS EN ISO 2560-A-E 38 0 RC 11  
-TS EN ISO 2560-A-E 38 2 RB 12  
-TS EN ISO 2560-A-E 42 0 RC 11  
-TS EN ISO 2560-A-E 42 0 RR 12  
-TS EN ISO 2560-A-E 42 0 RR 53  
-TS EN ISO 2560-A-E 35 A RR 12  
-TS EN ISO 2560-A-E 38 3 C 21  
-TS EN ISO 2560-A-E 42 0 RR 33  
-TS EN ISO 2560-A-E 42 3 C 25  
-TS EN ISO 2560-A-E 50 3 1Ni C 25  
-TS EN ISO 2560-A-E 42 2 Mo C 25

*e-imzalı/e-signed*

24.09.2019

Belgelendirme Merkezi Başkanı Adına  
AHMET NURSİ KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

\*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.  
\*Bu belge, hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kızıntı ve silinti yapılamaz.  
\*TSE İSTANBUL BELGELENDİRME MÜDÜRLÜĞÜ \* Adres: Çayırova Tren İstasyonu Yanı ÇAYIROVA/GEBZE \* Telefon: 2627231273\* Faks: 2627231606  
\*TSE BELGELENDİRME MERKEZ BAŞKANLIĞI; Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telefon: 0 312 416 64 81 / 416 64 27, Faks:0 312 416 66 17 E-posta :bmb@tse.org.tr , web : www.tse.org.tr





**TÜRK STANDARDLARI ENSTİTÜSÜ**  
**TÜRK STANDARDLARINA UYGUNLUK BELGESİ**  
**TURKISH STANDARDS INSTITUTION**  
**CERTIFICATE OF CONFORMITY TO TURKISH STANDARDS**

Markanın Tanımı Description of the Mark  
TSE veya or  veya or T S E

**BELGE KAPSAMI ( 002796-TSE-03/01nolu belge devamı) : GEDİK KAYNAK SANAYİ VE TİCARET ANONİM ŞİRKETİ**  
**İLGİLİ TÜRK STANDARDI(RELATED TURKISH STANDARD) TS EN ISO 2560 / 13.03.2013**

- TS EN ISO 2560-A-E 46 3 1Ni C 25
- TS EN ISO 2560-A-E 38 4 B 42 H5
- TS EN ISO 2560-A-E 42 3 B 63 H5
- TS EN ISO 2560-A-E 42 4 B 42 H5
- TS EN ISO 2560-A-E 42 4 B 32 H5
- TS EN ISO 2560-A-E 42 5 B 42 H5
- TS EN ISO 2560-A-E 46 5 B 42 H5
- TS EN ISO 2560-A-E 50 3 B 42 H5
- TS EN ISO 2560-A-E 42 3 Z (Ni Cr Cu) B 42 H5
- TS EN ISO 2560-A-E 42 6 Mn1Ni B 32 H5
- TS EN ISO 2560-A-E 46 6 1Ni B 42 H5
- TS EN ISO 2560-A-E 46 3 Mo C 25 (30.09.2015 K.G)
- TS EN ISO 2560-A-E 46 6 Z (Ni Cr Cu) B 42 H5 (30.09.2015 K.G)
- TS EN ISO 2560-A-E 46 6 2Ni B 42 H5 (30.09.2015 K.G)
- TS EN ISO 2560-A-E 46 6 3Ni B 42 H5 (30.09.2015 K.G)
- TS EN ISO 2560-A-E 46 6 B 42 H5 (30.09.2015 K.G)

*e-imzalı/e-signed*

24.09.2019

Belgelendirme Merkezi Başkanı Adına  
AHMET NURSİ KARTAL

TSE İSTANBUL BELGELENDİRME MÜDÜRÜ

\*Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.


\*Bu belge, hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kazıntı ve silinti yapılamaz.

\*TSE İSTANBUL BELGELENDİRME MÜDÜRLÜĞÜ \* Adres: Çayırova Tren İstasyonu Yanı ÇAYIROVA/GEBZE \* Telefon: 2627231273\* Faks: 2627231606

\*TSE BELGELENDİRME MERKEZ BAŞKANLIĞI; Adres: Necatibey Cad. No:112 06100 Bakanlıklar/ANKARA – Telefon: 0 312 416 64 81 / 416 64 27, Faks:0 312 416 66 17 E-posta :bmb@tse.org.tr , web : www.tse.org.tr



# VdTÜV-Kennblatt für Schweißzusätze

		1 Hersteller/Lieferer: Gedik Kaynak Sanayi ve Ticaret A.Ş. TUR 34906 Pendik Istanbul			2 Kennblatt-Nummer: 07465.05 03.11.2015	
3 Schweißzusatz*:		Stabelektrode				
4 Marke*:		GeKa ELİT				
7 Typ*:		EN ISO 2560-A - E 42 0 RR 12				
11 Durchmesserbereich:		2,5 bis 5,0 mm				
12 Hilfsstoffe:		---				
13 Die weitere Gültigkeit wird durch Erscheinen des Kennblattes im Schweißzusatzwerkstoffportal bescheinigt.						
15 Wärmebehandlung (Wb) nach dem Schweißen und Werkstoffe						
Pos	Wb	Gruppe / Werkstoff 1	Text	Gruppe / Werkstoff 2	Bem.	
	U	Gruppe 1.1				
	U	Gruppe 1.2				
16 Die Werkstoffeinteilung entspricht ISO 15608:2000						
21 Wurzelschweißbarkeit:		nachgewiesen				
23 Wanddicke:		maximal 30 mm				
24 Stromart und Polung:		G-, W				
25 Schweißposition nach DIN ISO 6947:		PA, PB, PC, PF				
26 Höchste Betriebstemperatur im Kurzzeitbereich wie Grundwerkstoff, jedoch max.:				450 °C		
27 Höchste Betriebstemperatur im Langzeitbereich max.:				--- °C		
28 Tiefste Betriebstemperatur wie Grundwerkstoff, jedoch nicht tiefer als:				±0 °C		
29 Berechnungskennwert:		wie Grundwerkstoff				
30 Bei Einsatz im Langzeitbereich:		---				
31 Korrosionsbeständigkeit nachgewiesen nach:		---				
32 Bemerkungen: Typ nach DIN 1913: E 5132 RR 8.						
33 Die Eignungsprüfung erfolgte auf der Grundlage des VdTÜV-Merkblattes 1153. Soweit in Rubrik 32 - Bemerkungen - nicht anders angegeben, ist dieser Schweißzusatz unter Beachtung des Anhangs I Abschnitt 4 der Druckgeräterichtlinie für den Einsatz nach Druckgeräterichtlinie geeignet.						
34 Erläuterungen		A - angelassen L - lösungsgeglüht u. abgeschreckt N - normalgeglüht	S - spannungsarm geglüht St - stabilgeglüht U - ungeglüht V- vergütet	W - weichgeglüht	G+ - Gleichstrom Pluspol G- - Gleichstrom Minuspol W - Wechselstrom	
35 Erstellt durch:		TÜV Rheinland				
Die Vervielfältigung, die Verbreitung, der Nachdruck und die Gesamtwiedergabe auf fotomechanischem oder ähnlichem Wege bleiben, auch bei auszugsweiser Verwertung, der vorherigen Zustimmung des Herausgebers vorbehalten. Herausgeber: Verband der TÜV e. V. Vertrieb: TÜV-Media GmbH, Am Grauen Stein, 51105 Köln - Unternehmensgruppe TÜV Rheinland Group						

\*) Angaben des Herstellers



# NIPPON KAIJI KYOKAI

## *Certificate*

Certificate No.  
NKY-2782

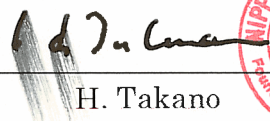
OF

### TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : GEKA EIT  
Manufacturer : Gedik Kaynak Sanayi ve Ticaret A.S.  
Pendik, Istanbul, Turkey  
Kind : Covered Electrode  
Purpose : For Mild Steel  
Approval Condition ;  
Grade : KMW2  
Current : AC or DCEN  
Position : Flat, Horizontal, Vertical Upward, Overhead  
Max. Dia. of Wire : F ; 5.0mm, H ; 5.0mm, VU ; 5.0mm,  
OH ; 5.0mm  
Welding Process : Manual Welding

THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until the 29th day of May, 2009.  
Issued at Tokyo on the 30th day of May, 2008.









H. Takano  
General Manager

Material and Equipment Department



Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

<p>The validity of this certificate has been renewed until.....<u>09 January 2015</u>.....</p> <p>Date: <u>10 January 2014</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 	<p>The validity of this certificate has been renewed until.....<u>28 December 2015</u>.....</p> <p>Date: <u>29 Dec 2014</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 
<p>The validity of this certificate has been renewed until.....<u>27 December 2016</u>.....</p> <p>Date: <u>28 December 2015</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 	<p>The validity of this certificate has been renewed until.....<u>01 February 2016</u>.....</p> <p>Date: <u>02 February 2017</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 
<p>The validity of this certificate has been renewed until.....<u>17 January 2019</u>.....</p> <p>Date: <u>18 Jan. 2018</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 	<p>The validity of this certificate has been renewed until.....<u>10 February 2020</u>.....</p> <p>Date: <u>11 February 2019</u></p> <p>.....<u><i>[Signature]</i></u>..... Surveyor</p> 
<p>The validity of this certificate has been renewed until.....</p> <p>Date:.....</p> <p>..... Surveyor</p>	<p>The validity of this certificate has been renewed until.....</p> <p>Date:.....</p> <p>..... Surveyor</p>
<p>The validity of this certificate has been renewed until.....</p> <p>Date:.....</p> <p>..... Surveyor</p>	<p>The validity of this certificate has been renewed until.....</p> <p>Date:.....</p> <p>..... Surveyor</p>