



C/ Sofía, 3-5 Pol. Ind. Cabezo Beaza C.P. 30353 CARTAGENA (Spain) CIF. B30668420

DOCUMENTATION

MASK ULTRA PROTECTION FFP2

MASCARILLA ULTRA PROTECCIÓN FFP2 MASQUE FFP2 ULTRA PROTECTION FFP2 MASCHERINA PROTEZIONE ULTRA FFP2



MASTER BOX: 1000 pcs



ITEM: HZ96

DESCRIPTION: NAAMIO

MATERIAL:

5 PLY (47% non woven, 31% Meltblown, 22% algodón).

QUANTITY: 1.000

G.W N.W

CNT SIZE

BATCH NUMBER: PRODUCTION DATE:

VALIDITY:

产品名称: FFP2防护口罩(非医用) 执行标准: EN149:2001-A1:2009 生产厂商: 深圳市和正至业发展有限公司 生产地址: 深圳市龙年区观游街道松元厦社区环观中路172号兆业厂房601

MADE IN P.R.C.











BAG: 1 pc





NOTA IMPORTANTE:

En todos los procesos de fabricación de nuestras mascarillas, no se utiliza grafeno o derivados del mismo.

Colaboramos con

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EU DECLARE OF THE CONFORMITY



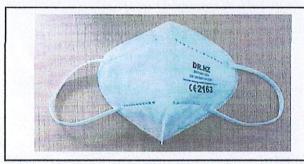
We

Company name:	Shenzhen Hezheng Industrial Development Co., Itd			
Postal address:	601 Zhaoye Workshop, No.172, Huanguanzhong Road, Songyuanxia Community, Guanhu Street, Longhua District, Shenzhen City, Guangdong Province, China			
Postcode:	518110			
City:	Shenzhen			

Declare that the DoC is issued under our sole responsibility and belongs to the following products:

Apparatus model/Product:	HZ96
Type:	Filtering half mask

Object of the declaration(identification of apparatus allowing traceability. It may include a colour image of sufficient clarity where necessary for the identification of the appearance)



The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Personal protective equipment Regulation(EU)2016/425

The following harmonised standards and technical specifications have been applied:

Title, Date of standards/specification:

EN149:2001 +A1:2009

Notified body (where applicable)	4 digit notified body number		
UNIVERSAL CERTIFICATION AND SURVEILLANCE SERVICE TRADE LTD. CO.	2163		
Certificate Number:	2163-PPE-1400		
Technical report numbered:	2163-KKD-1400		

Signed for and on behalf of

Guangdong,China Sep.07.2020

Place of issue Date of issue

Name function, signature General Manager

Verify the validity with the QR code



NB 2163

EU TYPE EXAMINATION CERTIFICATE

Certificate No: 2163-PPE-1400

Respiratory protective devices, filtering half masks to protect against particles manufactured by Shenzhen Hezheng Industrial Development Co., Ltd.

601 Zhaoye Workshop, No. 172, Huanguanzhong Road, Songyuanxia Community, Guanhu Street, Longhua District, Shenzhen City, Guangdong Province, China

are tested and evaluated according to

EN 149:2001 + A1:2009 Respiratory Protective Devices -Filtering Half Masks to Protect Against Particles -Requirements, Testing, Marking

Based on the type examination conducted with the evaluation of test reports, technical file according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 5, it is approved that the product meets the requirements of the regulation.

Product Definition

Brand Name: Dr.HZ Model: HZ96
Filtering half mask
Classification: FFP2 NR

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 9.
- Ongoing successful performance in fulfilment of the requirements set out in Personal Protective Equipment Regulation (EU) 2016/425 and harmonised standards, ensured by assessments based on Annex 7 (Module C2) or Annex 8 (Module D) of the regulation no later than 1 year from the beginning of serial production

This certificate is initially issued on 02/09/2020 and will be valid for 5 years, if there is no change in the relevant harmonised standard affecting the essential health and safety requirements.

CE 2163

Suat KAÇMAZ
UNIVERSAL CERTIFICATION
Director

Verify the validity with the QR code



NB 2163

CERTIFICATE OF CONFORMANCE

Certificate No: 2163-PPE-1400/01

Respiratory protective devices, filtering half masks to protect against particles manufactured by

Shenzhen Hezheng Industrial Development Co., Ltd.

601 Zhaoye Workshop, No. 172, Huanguanzhong Road, Songyuanxia Community, Guanhu Street, Longhua District, Shenzhen City, Guangdong Province, China

Continues to fulfil the requirements of

EN 149:2001 + A1:2009 Respiratory Protective Devices -Filtering Half Masks to Protect Against Particles -Requirements, Testing, Marking

Based on the evaluation of test reports and internal quality control audit reports according to EN 149+A1:2009 and Personal Protective Equipment Regulation (EU) 2016/425 Annex VII (Module C2). This certificate implies that the manufactured products show below are in conformance with the approved EU Type Examination model and meets the requirements of the regulation.

Product Definition

Model	Class	EU Type I	ertificate	
Iviodei	Class	Serial No	Date	Issuing NB No
Dr. HZ / HZ96	FFP2 NR	2163-PPE-1400	02.09.2020	2163

Here by the manufacturer is allowed to use notified body number (2163) and can fix CE mark, as shown below, on the Category III product models given above, with;

- Issuing an appropriate EU Declaration of Conformity according to Personal Protective Equipment Regulation (EU) 2016/425 Annex 9.
- Taking all measures necessary so that the manufacturing process and its monitoring ensure the homogeneity of production and conformity of the manufactured PPE with the type described in the EU type examination certificate.

This certificate is issued on 29/09/2020 and will be valid for one year, until 28/09/2021 if the manufacturer makes no major change in the product designs and manufacturing processes affecting the product performance on the essential health and safety requirement.



UNIVERSAL CERTIFICATION Director



TECHNICAL ASSESSMENT REPORT

REPORT DATE / NO: 02.09.2020 / 2163-KKD-1400

Manufacturer: Shenzhen Hezheng Industrial Development Co., Ltd.

Address: 601 Zhaoye Workshop, No. 172, Huanguanzhong Road, Songyuanxia Community, Guanhu Street, Longhua District, Shenzhen City, Guangdong Province, China

This report is for the, given above, manufacturer prepared according to the test results obtained from Jiangsu Guojian Testing Technology Co., Ltd. accredited by CNAS (China National Accreditation Service), signatory to ILAC MRA, with number L10118 for the product identified below, dated 22.06.2020 with Serial Id (2020)WSZ FHL NO.6182 based on EN 149: 2001 + A1: 2009 standard and the technical file dated 28 August, 2020 Version 01 provided by the manufacturer.

The technical file of the manufacturer, and risk evaluation against the essential health safety requirements and the test report evaluated for their relation with Essential Requirements of Personel Protective Equipment Regulation and found to be appropriate.

This report is an annex and an integral part of the EU Type Examination Certificate issued to the manufacturer. The test results and issued certificate belongs only to the tested model. The technical report consists of a total of 6 pages.

Product Description: Particle Filtering Half Mask

Classification: FFP2 NR

Brandname: Dr.HZ Model: HZ96





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ESSENTIAL HEALTH and SAFETY REQUIREMENTS GIVEN IN EUROPEAN UNION REGULATION EU 2016/425 CORRESPONDING RISKS FOR THE PRODUCT

1.1. Design principles

1.1.1. Ergonomics

PPE must be so designed and manufactured that in the foreseeable conditions of use for which it is intended the user can perform the risk related activity normally whilst enjoying appropriate protection of the highest prossible level.

1.1.2. Levels and classes of protection

1.1.2.1. Highest level of protection possible

The optimum level of protection to be taken into account in the design is that beyond which the constraints by the wearing of the PPE would prevent its effective use during the period of exposure to the risk or normal performance of the activity.

1.1.2.2. Classes of protection appropriate to different levels of risk

Where differing foreseeable conditions of use are such that several levels of the same risk can be distinguished, appropriate classes of protection must be taken into account in the design of the PPE.

1.2. Innocuousness of PPE

1.2.1. Absence of risks and other inherent nuisance factors

PPE must be so designed and manufactured as to preclude risks and other nuisance factors under fore seeable conditions of use.

1.2.1.1. Suitable constituent materials

The materials of which the PPE is made, including any of their possible decomposition products, must not adversely affect the health or safety of users.

1.2.1.2. Satisfactory surface condition of all PPE parts in contact with the user

Any part of the PPE that is in contact or is liable to come into contact with the user when the PPE is worn must be free of rough surfaces, sharp edges, sharp points and the like which could cause excessive irritation or injuries

1.2.1.3. Maximum permessible user impediment

Any inpediment caused by PPE to movements to be made, postures to be adopted and sensory perception must be minimized; nor must PPE cause movements which endanger the user or other persons.

1.3 Comfort and effectiveness

1.3.1. Adaptation of PPE to user morphology

PPE must be designed and manufactured in such a way as to facilitate its correct positioning on the user and to remain in place for the foreseeable period of use, bearing in mind ambient factors, the actions to be carried out and the postures to be adopted. For this purpose, it must be possible to adapt the PPE to fit the morphology of the user by all appropriate means, such as adequate adjustment and attachment systems or the provision of an adequate range of sizes.

1.3.2. Lightness and design strength

PPE must be as light as possible without prejudicing design strength and efficiency.

Apart from the specific additional requirements which they must satisfy in order to provide adequate protection against the risks in question (see 3), PPE must be capable of withstanding the effects of ambient phenomena inherent under the foreseeable conditions of use

1.4. Information supplied by the manufacturer

The notes that must be drawn up by the former and supplied when PPE is placed on the market must contain all relevant information on:

- a) In addition to the name and addressof the manufacturer and/or his authorized representative established in the Community
- b) Storage, use, cleaning, maintenance, servicing and disinfection, cleaning, maintenance or disinfectant protection recommended by manufacturers must have no adverse effect on PPE or users when applied in accordance with the relevant instructions;
- c) Performance as recorded during technical tests to check the levels or classes of protection provided by the PPE in guestion;
- d) Suitable PPE accessories and the characteristics of appropriate spare parts;
- e) The classes of protection appropriate to different levels of risk and the corresponding limits of use;
- f) The obsolescence deadlineor period of obsolescence of PPEor certain of its components;
- g) The type of packaging suitable for transport;
- h) The significance of any markings(see 2.12)
- i) Where appropriate the references of the Directives applied inaccordance with Article5(6) (b);
- j) The name, address and identification number of the notified body involved in the design stage of the PPE

These notes, which must be precise and comprehensible, must be provided at least in the official language(s) of the member state of destination



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2. ADDITIONAL REQUIREMENTS COMMON TO SEVERAL CLASSES OR TYPES OF PPE

2.1. PPE incorporating adjustment systems

If PPE incorporates adjustment systems, the latter must be designed and manufactured so that, after adjustment, they do not become undone unintentionally in the foreseeable conditions of use.

2.3. PPE for the face, eyes and respiratory system

Any restriction of the user's face, eyes, field of vision or respiratory system by the PPE shall be minimised.

The screens for those types of PPE must have a degree of optical neutrality that is compatible with the degree of precision and the duration of the activities of the user.

If necessary, such PPE must be treated or provided with means to prevent misting-up.

Models of PPE intended for users requiring sight correction must be compatible with the wearing of spectacles or contact lenses.

2.4. PPE subject to ageing

If it is known that the design performance of new PPE may be significantly affected by ageing, the month and year of manufacture and/or, if possible, the month and year of obsolescence must be indelibly and unambiguously marked on each item of PPE placed on the market and on its packaging.

If the manufacturer is unable to give an undertaking with regard to the useful life of the PPE, his instructions must provide all the information necessary to enable the purchaser or user to establish a reasonable obsolescence month and year, taking into account the quality level of the model and the effective conditions of storage, use, cleaning, servicing and maintenance.

Where appreciable and rapid deterioration in PPE performance is likely to be caused by ageing resulting from the periodic use of a cleaning process recommended by the manufacturer, the latter must, if possible, affix a marking to each item of PPE placed on the market indicating the maximum number of cleaning operations that may be carried out before the equipment needs to be inspected or discarded. Where such a marking is not affixed, the manufacturer must give that information in his instructions.

2.6. PPE for use in potentially explosive atmospheres

PPE intended for use in potentially explosive atmospheres must be designed and manufactured in such a way that it cannot be the source of an electric, electrostatic or impact-induced arc or spark likely to cause an explosive mixture to ignite.

2.8. PPE for intervention in very dangerous situations

The instructions supplied by the manufacturer with PPE for intervention in very dangerous situations must include, in particular, data intended for competent, trained persons who are qualified to interpret them and ensure their application by the user.

The instructions must also describe the procedure to be adopted in order to verify that PPE is correctly adjusted and functional when worn by the user. Where PPE incorporates an alarm which is activated in the absence of the level of protection normally provided, the alarm must be designed and placed so that it can be perceived by the user in the foreseeable conditions of use.

2.9. PPE incorporating components which can be adjusted or removed by the user

Where PPE incorporates components which can be attached, adjusted or removed by the user for replacement purposes, such components must be designed and manufactured so that they can be easily attached, adjusted and removed without tools.

2.12. PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety

The identification or recognition marks directly or indirectly relating to health and safety affixed to these types or classes of must preferably take the form of harmonized pictograms or ideograms and must rem ain perfectly legible throughout the foreseeableuseful life of the PPE. In addition, these marks must be complete, precise and comprehensible so as to prevent any misinterpretation; in particular, where such marks incorporate words or sentences, the latter must appear in the official language(s) of the Member State where the equipment is to be used.

If PPE (or a PPE component) is too small to allow all or part of the necessary marking to be affixed, the relevant information must be mentioned on the packing and in the manufacturer's notes.

3. ADDITIONAL REQUIREMENTS SPECIFIC TO PARTICULAR RISKS

3.10.1. Respiratory protection

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PPE intended for the protection of the respiratory system must make it possible to supply the user with breathable air when exposed to a polluted atmosphere and/or an atmosphere having an inadequate oxygen concentration.

The breathable air supplied to the user by PPE must be obtained by appropriate means, for example after filtration of the polluted air through PPE or by supply from an external unpolluted source.

The constituent materials and other components of those types of PPE must be chosen or designed and incorporated so as to ensure appropriate user respiration and respiratory hygiene for the period of wear concerned under the foreseeable conditions of use.

The leak-tightness of the facepiece and the pressure drop on inspiration and, in the case of the filtering devices, purification capacity must keep contaminant penetration from a polluted atmosphere low enough not to be prejudicial to the health or hygiene of the user.

The PPE must bear details of the specific characteristics of the equipment which, in conjunction with the instructions, enable a trained and qualified user to employ the PPE correctly.

In the case of filtering equipment, the manufacturer's instructions must also indicate the time limit for the storage of new filters kept in their original packaging.

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Technical Assessment of EN 149: 2001 + A1: 2009 Standard and other Standards it refers to, Clauses Corresponding to the (EU) 2016/425 Directive

	Conf	orming to EN	149:2001 + A1:2009	Standard Re	equirements			
	Classification: Partic					and the same of th		
Article	The mask subject to e	valuation based on the	he test results and technical	file provided by	the manufacturer is classified	as;		
5	Filtering Efficiency ar	d Maximum Total I	nward Leakage: Classified	as FFP2				
	Mask is classified for							
Article	Packing: Particle file	ering half masks a	re packaged to protect th	em from contam	ination before use and with	cardboard boxes to preve		
7.4	mechanical damage.	The packaging design	gn and the product is con-	sidered to withsta	and the foreseeable condition	ns of use based on the visi		
7.4	inspection results give	n in the test report.						
Article 7.5	Material: Materials used in particle filtering half masks, according to the simulated wearing treatment and temperature conditioning results; It is understood it withstands handling and wear over the period for which the particle filtering half mask is designed to be used, it suffered mechanical failure of the facepiece or straps, any material from the filter media released by the air flow through the filter has not constitute a hazard or nuisance for the wearer. The manufacturer declares that the materials used in manufacturing of the mask does not have an adverse affect to the health and safety of users. Based on the test results, the masks did not collapse when subject to simulated wearing and temarature conditioning. No nuisance situation is reported during the practical performance tests by human subjects.							
Article	Cleaning and Disinfo	ction: Particle filter	ing half mask is not design	ed to be as re-usa	able. No cleaning or disinfect	ion procedure provided by the		
7.6	manufacturer.							
Article 7.7	2.Head h	essed Elements armess comfort y of fastenings	Positive 2 2 2 2 2	Negative 0 0 0	Requirements in acco 149:2001 + A1:200 Positive results are object subject No imperfer	9 and Result ined from the test s		
	Conditioning: (A.R.)		al					
Antiala	Einiah of Dantas Darti		sales subjects one librate to or	ma into contact		som adopt and do not contain		
Article 7.8	burrs.		asks, which are likely to co	ome into contact	with the user, do not have sl	narp edges and do not conta		
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	Penetration of fil	ter material:	Paraffin Oil Test	ing						
	Con	dition	No. of Sample	Paraffin Oil 7 95 L/min ma		Requirements in accordance with EN 149:2001 + A1:2009		Result		
	(A.R.)	-	0.2						
	(,	A.R.)	- diligram and	0.3	The state of the s	FFP1 ≤ 20 %				
	(A.R.)	-	0.3				alf masks fulfill the		
lust al a	(8	S.W.)	-	0.3				nts of the standard		
Article	(5	S.W.)	ad	0.3		FFP2 ≤ 6 %		9:2001 + A1:2009		
7.9.2	(5	S.W.)	-	0.2				9.2 in range of the		
	(M.	S. T.C.)	-	0.8		FFP3 ≤ 1 %	FFP1, FFP2 and FFP3 classes.			
	(M.S	(M.S. T.C.)		- 0.7				Classes.		
	(M.	S. T.C.)		0.9		and the second s				
	(A	.C.) Tempera	cal Strength sture Conditioning rived, original ed wearing treatm							
Article 7.10	Compatibility wit			ce report, the likel	hood of mask ma	nterials in contact with the	skin causir	ng irritation or other		
	Flammability:				77					
	Condition	No. o Sampl	le Vis	sual inspection		nents in accordance with E 49:2001 + A1:2009	N	Result		
Article	(A.R.)	-	THE RESERVE AND ADDRESS OF THE PARTY OF THE	um for 0.1s		Filtering half mask		Passed		
7.11	(A.R.)	-	A STATE OF THE PARTY OF THE PAR	um for 0.1s		shall not burn or not	File 1 - 1 - 16 1 - 6 16 II			
7,11	(T.C.)	-	В	um for 0.1s		continue to burn for more than 5 s after		Filtering half masks fulfill requirements of the		
	(T.C.)		В	um for 0.1s		moval from the flame	16	standard		
		Conditioning: (A.R.) As Received, original								
		(T.C.) Temperature Conditioning Carbon dioxide content of the inhalation air:								
Article	Condition No. of Sample			CO ₂ content of the inhalation air [%] by volume		t of Requirements in accordance with ion EN 149:2001 + A1:2009		Result		
7.12	(A.R.)		0.70	57	air			Passed		
	(A.R.)	-	0.70	15		CO2 content of the inha	alation air	Filtering half mask		
	(A.R.)	•	0.702	27	0,70[%]		shall not exceed an average of 1,0% by volume			
	Conditioning: (A.	R.) As Recei	ved, original							
Article 7.13						e been reported for donning the mask firmly enough.	ng and remo	ove of the mask also the		
Article 7.14	Field of vision: In	Practical Per	rformance report,	no adverse effects	were reported fo	r the field of vision availab	oility when	the mask is weared.		
Article 7.15	Exhalation Valve	(s): The mod	el under inspectio	n have no valves.						
	Breathing Resista									
Article 7.16	The overall evalu- treatment complie L/min and exhalat	s with the lin	nits given in the s	or 9 different sam tandard for FFP1,	ples 3 as receive FFP2 and FFP:	d, 3 with temparature con 3 classes. This is valid for	iditioning a	and 3 simulated weari results for 30 L/min,		
	Passed.									



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Article 7.17	Clogging: This test is not applied to Particle Filtering Half Mask which is not reusable. (For single shift use devices, the clogging test is optional test. For re-usable devices test is mandatory.)
Article 7.18	Demountable Parts: There are no demountable parts on the product.
Article 8	Testing: All tests conducted according to Clause 8 of this standard is available in the test report and are evaluated in this report for qualification and classification of the mask.
	Marking – Packaging: Necessary markings are available on the product package (box). The name and trademark of the manufacturer is clearly visible. The type of the mask and the classification including the status of re-usability, the reference to EN 149:2001+A1:2009 standard, the the year of end of shelf life, using and storage instructions and pictograms and CE mark are available on the product package. The above evaluation is based on the technical document for packaging and marking, for box design. Verified on the Annex 9.1 of the technical file.
Article 9	The technical documentation for mask design (drawing) also evaluated for marking requirements, drawing HZ96. The mask template (drawing indicates that the mask will carry information about the name and the brandname (Shenzhen Hezheng Industrial Development Co., Ltd. / Dr.HZ of the manufacturer, type of mask, the reference to EN 149+A1:2009 standard and classification including the re-usability of the mask. The manufacturer also printed CE mark with our Notified Body number. The mask do not have sub-assemblies. Even the tested samples by the laboratory do not carry necessary marking information as stated in the technical documentation, the manufacturer shall follow marking instructions for serial production. Model HZ96 drawing exists in the technical file of the manufacturer, Annex 6 of technical file.
Article 10	Information to be supplied by the manufacturer: In each of the smallest commercially available packaging of the product, implementation (installation instructions) pre-use controls, warning and usage limitations, storage and meanings of symbols / pictograms are defined. User instruction document in the technical file found to be appropriate, Annex 8. The manufacturer shall include this documented user information tex in every smallest commertially available package.

PREPARED BY	APPROVED BY
Osman CAMCI PPE Expert	Suat KACMAZ Director
	Notified Books



Test Report No.:

178139783a 001

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Client:

Shenzhen Hezheng Industrial Development Co., Ltd

601 Zhaoye workshop, No. 172, huanguanzhong Road, Songyuanxia community,

Guanhu street, Longhua District, Shenzhen

Contact Person: Fang Fang

Sample Description As Declared:

No. Of Sample

: 90 Pcs

Product Description

: KN95 Particulate Respirator(HZ96)

Colour

White

Country of Origin

China

Sales Destination(country)

US/ EU(country name not provided)

Product End Use

Protection

Test type

Partial Test

Product type

Single shift use only

Claimed Classification

FFP2 NR

Sample obtaining method:

Sending by customer

Sample Receiving date:

2020-05-06

Delivery condition:

Apparent good, Samples tested as received

Test Period:

2020-05-09 to 2020-06-19

Test specification:

Test result:

Particulate respirator-half facepiece

EN 149:2001 + A1:2009 Respiratory protective devices - Filtering half masks

to protect against particles - Requirements, testing, marking^

Please refer to result page

For and on behalf of

TÜV Rheinland / CCIC (Qingdao) Co., Ltd.

Alex Zhou / Senior Manager

2020-06-22 Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed. This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

Mershory



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Material list

Material	Color	Location
Textile	White	White folding mask

Note:

	Shading shows the clauses requested
NRq	The clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance with the clause. Refer to the "result details section for more information.
Fail	Requirement not satisfied. Refer to the "result details section for more information.
NAs	Assessment not carried out.
NAp	Requirement not applicable.
NT	Requested but not tested due to early termination following failure.

Result:

EN 149:2001+A1:2009 Respiratory protective devices—Filtering half masks to protect against particles—Requirement, testing, marking.

7.4 Package[^]

PASS¹

Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use. Note 1: In accordance with the requirement.

7.5 Material^

PASS²

Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.

After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.

When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.

Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.

Note 2: In accordance with the requirement.

Specimens -08, -20, -37 were conditioned in accordance with 8.3.1, None of the specimens conditioned suffered mechanical failure or collapse.

Specimens -14, -28, -44 were conditioned in accordance with 8.3.2, None of the specimens conditioned suffered collapse.

7.6 Cleaning and disinfecting[^]

NAp³

If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer.

With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class. Note 3: Single shift use only.



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7.7 Practical performance[^]

PASS⁴

The particle filtering half mask shall undergo practical performance tests under realistic conditions

Note 4: No imperfections.

Specimen and subject details:

Specimen	Subject
-47	SM
-63	LCF

7.8 Finish of parts^

Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.

PASS⁵

Note 5: None of the specimens used in limited laboratory testing undertaken showed the evidence of sharp edges or burrs.

7.9.1 Total inward leakage[^]

PASS 6

For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3;

And, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for

Note 6: 46 out of the 50 individual exercise results were not greater than 11%; 8 of the 10 individual wearer arithmetic means were not greater than 8%. Detailed data are showed below.

Table 7.9.1-A Inward leakage test data

Test specification: EN149-2001 Clause 8.5								
Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head Up/down(%)	Talk(%)	Walk(%)	Mean(%)
LZM	-09	A.R.	2.4	6.5	10.8	6.4	3.5	5.9
YZF	-22	A.R.	5.0	9.0	9.9	10.5	5.5	8.0
GJB	-36	A.R.	5.8	8.1	5.8	6.1	2.9	5.7
JLX	-56	A.R.	4.7	9.4	6.6	5.0	4.9	6.1
TLX	-74	A.R.	3.6	12.6	11.6	7.6	7.2	8.5
TS	-13	T.C.	3.8	10.3	5.6	7.3	5.5	6.5
SM	-29	T.C.	6.3	10.3	8.6	7.2	6.1	7.7
LCF	-43	T.C.	7.0	14.3	14.7	8.2	6.7	10.2
ZH	-62	T.C.	6.5	8.5	8.1	4.4	6.3	6.8
YB	-80	T.C.	2.9	8.1	6.7	6.0	4.2	5.6
Maximum permitted 11						8		



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Table 7.9.1-B Facial dimension

Subject	Face	Face	Face	Mouth
Gubject	length(mm)	width(mm)	Depth(mm)	Width(mm)
LZM	118	157	124	44
YZF	113	151	106	48
GJB	109	154	109	57
JLX	119	152	109	59
TLX	104	153	112	40
TS	97	146	102	51
LCF	119	165	121	56
SM	116	144	109	49
ZH	102	152	113	55
YB	112	150	119	66

7.9.2 Penetration of filter material[^]

PASS

The penetration of the filter of the particle filtering half mask shall meet the requirements of below:

Classification	Sodium chloride test 95 I/min	Paraffin oil test 95 I/min
FFP 1	≤ 20%	≤ 20%
FFP 2	≤ 6%	≤ 6%
FFP 3	≤ 1%	≤ 1%



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Table 7.9.2- Penetration of filter material

Test specification: EN149-2001 Clause 8.11

rest specificatio	n: EN149-2001 Clause 8	0.11	L		
Aerosol	Condition	Sample No.	Penetra	Assessment	
			After 3 minutes	Max. during exposure	Assessment
		-17	0.39		
	A.R.	-27	0.16		
		-64	0.25		
Sodium		-19	0.11		
chloride	S.W.	-46	0.40		8. C
test		-68	0.16		
		-23	0.63	0.70	
	M.S. + T.C.	-51	0.39	0.39	N N
		-72	0.42	0.42	10
Paraffin oil test	A.R.	-30	0.25		PASS
		-52	0.45		
		-75	0.24		too ist with the
		-35	0.24		
	S.W.	-55	0.32		
		-04	0.37		
		-42	0.38	0.83	
	M.S. + T.C.	-58	0.43	0.93	
	1	-03	0.51	1.07	·
Maximum permitted			6		
	Flow conditioning:	Single filte	er: 95.0 L/mir	1	N i



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7.10 Compatibility with skin^

PASS 7

Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health. Note 7: Specimens -10, -21, -38, -53, -69 (A.R.) and specimens -15, -33, -45, -61, -73 (T.C.) were tested. No irritation or any other adverse effect to health.

7.11 Flammability[^]

PASS

When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.

Table 7.11- Flammability

Test specification: EN149-2001 Clause 8.6

Condition	Condition Sample No.		Assessment
A D	-24	Burn for 0.4 s	
A.R.	-39	Burn for 0.8 s	5.00
T.C.	-31	Burn for 0.5 s	PASS
	-50	Burn for 0.6 s	

7.12 Carbon dioxide content of the inhalation air^

PASS

The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).

Table 7.12- Carbon dioxide content of the inhalation air

Test specification: EN149-2001 Clause 8.7

Condition	Sample No.	Result	Assessment
1	-18	0.42%	
A.R.	-54	0.43%	DAGO
	-60	0.46%	PASS
Maximum permitted		1.0%	

7.13 Head harness[^]

PASS⁸

The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.

The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.

Note 8: Specimens -12, -26, -49, -65, -76 (A.R.) and specimens -16, -34, -59, -71, -05 (T.C.) were tested. Head harness (ear straps) can be donned and removed easily, adjustable or self-adjusting, have sufficiently robust to hold the face mask firmly enough to satisfy the total inward leakage requirements. See 7.9.1 for results.

7.14 Field of vision[^]

PASS 9

The field of vision is acceptable if determined so in practical performance tests. Note 9: Specimens -41 and -67 (A.R.) were tested. Pass the practical performance tests and no adverse comments.



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7.15 Exhalation valve^

NAp

A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.

If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.

Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.

When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.

7.16 Breathing resistance^

PASS 10

	Maximum permitted resistance (mbar)				
Classification	inhal	exhalation			
	30 l/min	95 I/min	160 l/min or (25 cycles/min x 2.0 l/stroke)		
FFP1	0,6	2,1	3,0		
FFP2	0,7	2,4	3,0		
FFP3	1,0	3,0	3,0		

Note 10: FFP2 Filtering face mask. Test result are shown in below Table.



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Table 7.16 Breathing resistance (mbar)

Test specification: EN149-2001 Clause 8.9

		Inhalation resistance(mbar)		Exhalation resistance(mbar)				
Specimen	Condition	At 30 I/min	At 95 I/min	Breathing machine(25 cycles/min x 2.0 l/stroke)				
				Α	В	С	D	Е
-11		0.36	1.34	2.92	2.91	2.93	2.94	2.91
-25	A.R.	0.37	1.36	2.95	2.92	2.91	2.96	2.95
-32		0.38	1.38	2.96	2.98	2.92	2.91	2.94
-40		0.35	1.29	2.87	2.86	2.86	2.84	2.81
-48	T.C.	0.36	1.31	2.87	2.86	2.81	2.81	2.85
-57		0.35	1.30	2.89	2.92	2.87	2.83	2.81
-66		0.36	1.34	2.92	2.89	2.91	2.87	2.86
-70	S.W.	0.37	1.36	2.98	2.92	2.83	2.93	2.95
-79		0.35	1.31	2.91	2.87	2.85	2.89	2.85
	A.R. + F.C.							
	T.C. + F.C.							
Maximum	permitted	0.7	2.4			3.0		

A: facing directly ahead; B: facing vertically upwards; C: facing vertically downwards; D: lying on the left side; E: lying on the right side.

7.17 Clogging[^]

7.17.2 Breathing resistance

Valved particle filtering half masks:

After clogging, the inhalation resistances shall not exceed.

FFP1: 4 mbar, FFP2: 5 mbar, FFP3: 7 mbar at 95 l/min continuous flow;

The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.

Valveless particle filtering half masks:

After clogging the inhalation and exhalation resistances shall not exceed:

FFP1: 3 mbar, FFP2: 4 mbar, FFP3: 5 mbar at 95 l/min continuous flow.

7.17.3 Penetration of filter material

Note 11: Single shift use only.

7.18 **Demountable parts^**

All demountable parts (if fitted) shall be readily connected and secured, where possible by hand.

Note 12: No demountable parts were used.

NAp 12

NRq 11



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9 Marking^

NRq

9.1 Packaging

The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent.

- **9.1.1** The name, trademark or other means of identification of the manufacturer or supplier.
- 9.1.2 Type-identifying marking.
- 9.1.3 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

- 9.1.4 The number and year of publication of this European Standard.
- **9.1.5** At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month.
- **9.1.6** The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b.
- **9.1.7** The manufacturer's recommended conditions of storage (at least the temperature and humidity) or equivalent pictogram, as shown in Figures 12c and 12d.
- **9.1.8** The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D". ID This letter shall follow the classification marking preceded by a single space.

9.2 Particle filtering half mask[^]

Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:

- **9.2.1** The name, trademark or other means of identification of the manufacturer or supplier.
- **9.2.2** Type-identifying marking.
- **9.2.3** The number and year of publication of this European Standard.
- 9.2.4 Classification

The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D.

9.2.5 If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space(see 9.2.4).

Example FFP3 NR D, FFP2 R D.

9.2.6 Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified.



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10	Information to be supplied by the manufacturer [^]	NRg
10.1	Information supplied by the manufacturer shall accompany every smallest commercial available package.	r web
10.2	Information supplied by the manufacturer shall be at least in the official language(s) of the country of destination.	
10.3	The information supplied by the manufacturer shall contain all information necessary for trained and qualified persons on	
	application/limitations; the meaning of any colour coding; checks prior to use; donning fitting; use; maintenance(e.g. cleaning, disinfecting), if applicable; storage; the meaning of any symbols/pictograms used of the equipment.	
10.4	The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added.	
10.5	Warning shall be given against problems likely to be encountered, for example: — fit of particle filtering half mask (check prior to use);	
	 it is unlikely that the requirements for leakage will be achieved if facial hair passes under the face seal; 	
	air quality (contaminants, oxygen deficiency);use of equipment in explosive atmosphere.	
	add of equipment in explosive authosphere.	
10.6	The information shall provide recommendations as to when the particle filtering half mask shall be discarded.	
10.7	For devices marked "NR", a warning shall be given that the particle filtering half mask shall not be used for more than one shift.	

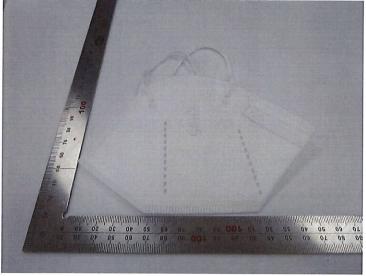
Remark: "^" indicates that the test is sub-contracted to the lab China Academy of Safey Science and Technology which complies with the requirement of ISO/IEC 17025:2017, the registration No. CNAS L0118.



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- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

- Scope

 There Green't Term and Condelieus of Business of TIV's Reinsland in Genter
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 Oth Reinsland and Senter Chiza as appriated as the case may be (Tive Reinsland and Condelieus). The Genter Chiza Nerrol refine to bit hairback Chiza, Hong Keng and
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 The client describation of the Condelieus of the Condelieus and the Condelieus an
- coject to them. context of menapoing business relationship with the client, this GTCB shall also apply to future contexts with the client without TUV Rheialand having to refer to them separately in each individual case.

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

- Coming into effect and duration of contracts.

 The counts that once into effect for the agreed terms upon the quotation letter of TDV Rheinhard or a repurse contracted document being algorithy both contracting parties, or upon the works repossible by the client being areaford by TDV.
 Rheinhard if the client instructs TDV Rheinhard without receiving a quotistion from TDV Rheinhard contraction, TDV Rheinhard in, in its sole desires, certified to be a contraction of the third of the contraction of the third of the contraction of the contraction of the third of the contraction of
- 33

- The scope and type of the services to be provided by TUV Rheinland shall be specified in the contractually a greed service scope of TUV Rheinland by both parties. If no such separate service scope of TUV Rheinland exists, then the written confimation of order by TUV Rheinland shall be declive for the service to be
- provided.

 The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.

 TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature
- nea generous-ervices and the performed in compliance with the regulation in force at the time the control is extend that.

 TOV Benithard is entitled to determine, in it used externion, the method and nature of the assessment of the control of the
- In the case of impection work, TUV Rheinland shall not be responsible for the accuracy or checking of the aftery programmers or safety regulations on which the impections are based, unless otherwise expressly agreed in writing, and accept legal regulations and standards or official requirements for the a greed service sooge change after conclusion of the contract, with a written notice to the dieta. TUV Rheinland shall be entatled as additional remarkments for resulting additional additional remarkments or resulting additional and the contract of the contract with the contract of the
- expense.

 This is to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third porties with the services of TÜV Rheinland, as a well as mading a mildle of and jushlijke confidence in the work result (set a report, set as tended, september of the proport, set and the services of the agreed services. This also applies if the client passes one work results in full or in extracts to third parties in accordance with climate 11.4.

- They shall only be binding if being confirmed as binding by TUV Reinstand in Statistics.

 The comprehensive figure from one have been granted, she see prodots hall not commence used of client has submitted all required documents to TUV Reinstand.

 Articles 3, and 32 also ongly in ever submitted regard approved by the client to 100 and 100 are continuous of agreed periods that on 6 present periods that one of periods that one of periods that one of the client shall not be the comprehensive of the comprehensive and the comprehensive of the comprehensive and the comprehensive of the comprehensive and the compreh

The client's obligation to cooperate

- The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinfand.
- Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undestated in accordance with legal provisions, standards, safety regulations and accident prevent for instructions. And the client represents and warrants that.

a) it has required statutory qualifications;

- b) the product, service or management system to be certified complies with applicable laws and regulations; and
- it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
- Republic of Chris.

 If the clied breaches the aforesaid representations and warranties, TÜV Rhinirand is entitled to ji himmed shift terminate the contractioned without prior notice, and ill yill what we the sould testing reproductionate literal productionate literal to the contraction of the cont

- 7.1 If the scope of performance is not laid down in writing when the order is placed, involving shall be based on costs actually incurred. If no price is agreed in writing, involving shall be made in accordance with the price list of TÜV Rheialand valid at
- time of performance. ess otherwise agreed, work shall be invoiced according to the progress of the
- work.

 If the execution of an order extends over more than one month and the value of the
 contract or the agreed fixed price exceeds £2,500.00 or equivalent value in local
 currency, TOV Rheinland may demand payments on account or in instalments. 7.3

- 8.3
- Payment terms
 All invites amounts shall be the fir payment without deduction on receipt of the invoices. No discounts and whose shall be granted.

 Payments shall be made to the best located on TUV Blentined as indicated on the invoice, tuking a few invoice and efter numbers.

 In cases of effects of payment, TUV Brentined shall be entitled to chim definalt interest in the applicable whose tren ions interest rate publicly amounted by a contract of the payment of the first trends of the payment of the first trends of the payment of the first trends of the contract.

 Withfur the centificate, claim changes for non-performance and refine to occurrent contracts.
- se of the contract.

 ons set forth in article 8.4 shall also apply in cases involving returned station of payment, commencement of insolvency proceedings against

- the clear's mosts are cores in which the commercement of involvency proceedings has been discussed due to list of anest.

 Objections to the involvence of TOV Beheid and shall be submitted in writing within two weeks of freezige of the involven.

 TOV Beheid and ball be consided so do sound appropriate abstrace payments. TOV Beheid and ball the consided so do sound appropriate abstrace payments with the sound of the consideration of the considerati
- Only legally established and undisputed claims may be offset against claims by

Acceptance of work

- Acceptance of work

 Any part of the work result ordered which is complete in itself may be presented by

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 If acceptance is required or contrastantly agreed in an individual case, this shall be
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 TDV Reinsland.

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- after the ender has been placed. The client reserves the right to prove that the TUV
 Reduction has incurred to change withoutever evel a considerably bewer disrange
 10. Confidentially
 10. In order the provision of the place of the confidence of t
 - sheithmd.

 From the start of the contract and for a period of three years after termination or entire years the contract, the receiving purity shall maintain stick secrecy of all confederabil information and shall not disclose this information to any third parties or use it for itself.

- 11. Copyrights and rights of use, publications
 11.1 TOV Benish and shall retinal all exclusive copyrights in the reports, eyert reports reports reports reports reports reports reports reports. For exemption the control of the copyrights in the reports, eyert reports rep

Liability of TÜV Rheinland

Liability of TÜV Rheinland from of the Igal bails, to the follost extera permitted by applicable law, in the event of a breach of ozerircatual obligations or toot, the hisbility of TÜV Rheinland, file of all distingues, losses and meinharmented of expresses extendy DTV Rheinland, file lag representatives and/or employees shall be limited to (3) in the case of a contrast with a fixed overall fee, where them she were writted for the extract resurts (1) in the case a fixed overall fee, where them she were writted for the extract contrast (1) in the case of a contrast expressly charged on a time and material basis, a maximum of 20,000 Error or equivalent amount in local curveys, and (6) in the extra of a finnerwork agreement that provides for the possibility of planeig individual orders, there times of the fee fee the individual order reader which the damages or tests have occurred called also conding in the foregoing provisions exceeds 2.5 Million Error or

- equivalent amount in local currency, the total and accoundated limbility of TIV Reheiland shall be easy benied to made shall not receed the said 23 Sofficion Euror equivalent amount in local currency.

 The limitation of limbility according to united 12.1 above shall not apply to changes and on loses caused by made, interest or groun engineers on the part of TIV.

 Reheiland or its visuations again, shall limitation shall on apply to changes for a large state of the visuations again, shall limitation shall on apply to dismages for a last case involving a fandamental the sech of cortexts, IVVP Reinland will be label even where minor engiptores or involved For this parpose, a "fandamental beneath in the shall be related to the discounter of the performance of the contrast, IVA pointing or desingue for a fundamental beneath in the contrast shall be limited to the causer of contrast shall be interested for the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall be also causer of the contrast shall be shall
- forestende damages), urless any of the consumtance described in article 12.

 White Marchard and one is bulk for the sec of the personal ranks in milded by the elected to appear IDV Retiried and the performance of its services under the contrast, unless who personal ranks whalled its rapided as visionist agent of TDV Retiried personal ranks whalled its rapided as visionist agent of TDV Retiried as a services, the dest what is described in the services of the personal ranks whalled by the destruction of the free pages provision, the date at shall indeed any IDV Retiried agents any claims and by that parties unline free one conceived members of the personal person

- 13.1 When putting on the territors provided by TDV Rheinland or parts thereof to shed parties in Gretzer Chian or other rejoins, the clear team toneyly with the repetitively applicable regulation and installment and international expert control law.

 13.2 The performance of a contrast with the client is include to the provise that there are to obtain the performance to a tensional control control client in the control of the installment of the performance of a control of the installment of the performance that the national of the installment of the control of the installment of the performance that the control of the installment of the performance of the control of the installment of the
- compressed for the losses incured them of by TUV Reinland.
 Data protection motice

 TÜV Reinland processes personal data of the client for the purpose of fulfilling this cominat, in addition, TUV Reinland also processes the data for other legal purposes in accordance with the relevant legal basis. The personal data of the client will only be discored to other natural or legal purpose in accordance with the relevant legal basis. The personal data will be deleted invended stay as soon as a corresponding reason for defection erises. Dis subjects may exercise the following rights right of Information, right of detection, right of deletion, right of deletion, right of processing instation, depth of objection, right of data transartamity in addition, persons only firm with effect to the future, as well as the right to fit as complain with the competent data protection supervisory surport, For further details on the processing of personal data by TUV. Reinfrand as the personal responsible or contact processor, plasse refer to the respective data for the future, as well as the right to fit as one processing of personal data by TUV. Reinfrand as the personal responsible or contact processor, plasse refer to the respective for contact processor, plasse refer to the respective for contact processor, plass refer to the respective for contact processor, plass refer to the respective for the responsible of contact processor, plass refer to the respective for the respective for contact processor, plass refer to the respective for the respective for contact processor, plass refer to the respective for the respective for contact processor, plass refer to the respective for the respective for contact processor, plass refer to the respective for the r

15. Test material: transport risk and storage

- 15.1The risk and costs for freight and transport of documents or test material to and from TGV Rheirland as well as the costs of necessary disposal measures shall be bome by the effect.
- secretario is well as the coits of accessary disposed accurate this bean etypically clear.

 15-24.85 feet and observing mothers ten matrix will be disposed of by TOV Reinstand for the client at the express of the client at the expression and appropriate some feet.

 15-4. After the extrapt of a break are any longer period agreed upon, the lest material will be disposed of by TOV Blendi and for the client feet after a feet in accessance with disposed of the expression of the client feet after a feet in accessance with disposed of the expression of the client feet after a feet in accessance with disposed of the expression of the client feet after a feet in accessance with disposed of the expression of the client feet after a feet in accessance with disposed of the expression of the client feet and the client feet after a feet in accessance with disposed of the expression of the client feet and the client feet after a feet in accessance with disposed and the client feet and the accessance with disposed and the client feet after a feet in accessance with disposed and the client feet a

- 16. Termination of the contract

 16. I Newholstanding clause 3.3 of the GPCB, TUV Rholained and the cliest are estable to terminate the contract in the entire to enter the contract in the co

17. Partial invalidity, written form, place of jurisdiction and dispute resolution

- avaisonity, written torus, place of juristicition and dispute as solution. All monadares since supplements mas it is univitied inductive to deficion. This also agoint so membered and supplements to this charge it is also agoint so the provision such relief to contrast and risk these terms and conditions be of become inefficiency, the contrasting points shall replace the invalid provision with a legal and commercial terms. Once the contrast and these schemes in spirals on the contrast and the cont 17.2

- sems and conditions shall be governed by the laws of the People's Republic of China.

 If TOV Reliadast in quiestion is legally registered and existing in Taiwan, the contrasting pattern kernby spare that the operation and their terms and conditions contrasting pattern kernby spare that the contrasting pattern and conditions if TOV Reliadast in questions is legally registered and existing in Biog. Rose, the contrasting parties hereby agree that the centers and these terms and conditions whill be governed by the laws of Hiog. Rose, and contrasting parties made of the governed by the laws of Hiog. Rose, and conditions or the Accessions of the expertised profession and the contrasting through negliations, deviate singulated in the contrast, if no sedifectors for on agreement in respect of the extension of the experision period on the neached white two nombes of the original realist the submitted.

 Legally registered and citizen is a contrasting to the department of the dispute shall be submitted. The profession period on the neached white two nombes of the original realistic contrasting in the Prople's Republic of Citiza, is China International Economic and Trink Arbitration Ratio (CEITAX) to be restited by arbitration under the Arbitration shall the epitom in the profession of the CITIAX in the restited by arbitration under the Arbitration shall the epitom in the case of TOV Desiration of Contraging as approprisitely those by the time the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the contrasting in the near to TOV Desiration of the near town to the near to TOV Desiration of the near town town.
- in Brijing, Shangan, Sonoraen on sonoraen per-claiming party.

 in the case of TOV Rheinland in question being legally registered and existing in Taiwan, to Chieses Arbitration Association Tajor Branch to be arbitrated in accordance with its then current Rules of Arbitration. The arbitration shall take place
- econfuse with it then current leates or articus and art citating in Hong Kong, to in Tajes! in the case of TUV Residands being legally registered and cristing in Hong Kong, to Hong Kong International Artistation for the PUBLACA to be satisfiedly arbitration under the PUBLACA Administred Arbitration Pulses in force when the Notice of Arbitration is administred Arbitration is about the Arbitration is administred Arbitration in Satisfaction Sability and Company of the Public Published Satisfaction Sability and Satisfaction Satisfaction
- Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.

 The decision of the relevant arbitration tribunal shall be final and binding on both parties. The arbitration fee shall be borne by the loting party.