



Postfach 10 13 49
D - 44713 Bochum
Blumenfeldstr. 18
D - 44795 Bochum

Telefon (0234) 4595 - 0
Telefax (0234) 43 23 87

Abnahmeprüfzeugnis DIN EN 10204 - 3.1B

Inspection certificate

Besteller: *Lurgi Öl Gas Chemie GmbH, D-60295 Frankfurt*
Customer:

Bestell-Nr.: *Lurgi Job - No.: 69690-10*
Order no.: *Lurgi OGC PO.-No.: 4567571-000/1.69690/136*

Project Name : *2nd Zagros Methanol Plant - Iran*

Auftrag-Nr.: *HH - 02536*
Job no.:

Lieferumfang / range:

Pos	Stck. pcs.	Gegenstand object	DN	PN	Werkstoff material	Bemerkung comment
00200	2	Regulierventile Globe valve with reg. Plug disc	2"	CI 150 RF	ASTM A 351 CF8C	Valve Ident - No.: " V 655 " LIP 200-V655-W5907 200-V655-W5908

Auslegung + Prüfung nach *API 600 / API 598 / Nace MR 0175*
Design and tests acc. to

Sicht- und Funktionsprüfung: *o.k.*
visual and functional test:

Festigkeits-/Dichtheitsprüfung: *Festigkeit / shell test = 30 bar Wasser / water (60 sec)*
strength-/tightness-test: *Dichtheit Sitz / seat = 22 bar Wasser / water (60 sec)*
Rückdichtung / backseat = 22 bar Wasser / water (60 sec)
Dichtheit Sitz / seat = 4-7 bar Luft / air (60 sec)

Prüfungsergebnis: *ohne Beanstandung !*
result: *no complaint !*

Bochum, den 25.02.2005 - WG **KLAUS UNION GmbH & Co. KG**

Werksachverständiger:

Manufacturer's authorized inspector: *Walter Glass*

Anlage: *Dokumentation gemäß Material-Dokumentationsdeckblatt*
enclosure *Documentation acc. to material cover sheet*



Datum / Date	25.02.2005
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Seite / Page

25.02.2005

W. Glass

W. Glass
Wally GB

Lurgi Job - No.: 69690-10
Lurgi OGC PO.- No.: 4567571 - 000 / 1.69690 / 136

Lurqi OGC PO,- No.: 4567571 - 000 / 1.69690 / 136

Project Name: 2nd Zagros Methanol Plant - Iran

Zeugnis-Nr.



CERTIFICADO DE MATERIALES s/
MILL CERTIFICATE Acc. To

Nº/Nr.: W5907-1, W5908-1

DATE: 14/12/04

SHEET:

Cliente/Client.:

KLAUS UNION
Armaturen International
Bremer Str. 53
D-21244 Buchholz

Pedido Nº

Purchase Order: HH-02536

Cantidad:

Quantity: 4

Anagrama del Fabricante / sello del Inspector:
Manufacturer's Logo / Inspector stamp:



TRATAMIENTO TERMICO
HEAT TREATMENT

Normalizado:



Normalized:

Normalizado+Revenido



Normalized+Tempered

Templado+Revenido:



Quenched+Tempered:

Solubilización:



Solution:

H.T. CONDICION
CONDITION T.T.

SOLUTION 1050 °C

MODO DE FUSION:

INDUCTION MELTING

TYPE OF MELTING:

DENOMINACION DE LA PIEZA:
CASTING DENOMINATION:

Globe Body

2" -150 Lbs

Heat No.:

6952

Globe Bonnet

2" -150 Lbs

Heat No.:

6952

CALIDAD DE ACERO:
STEEL QUALITY:

ASTM A 351 CF8C

CONDICIONES DE ENTREGA:
TERMS OF DELIVERY:

NACE MR 01-75:00

ANÁLISIS QUÍMICO - CHEMICAL ANALYSIS

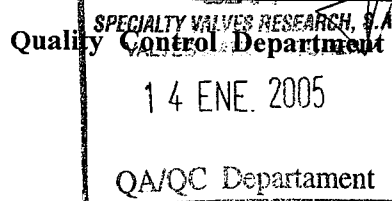
COLADA HEAT No.	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V		Nº de Piezas Ner. Pieces	Peso kgs. Weight
Solicitado Requirements (max)	0.08	2.00	1.50	0.040	0.040	18.0- 21.0	9.0- 12.0	0.50	8C- 1.00				
6952	0.062	0.79	1.25	0.024	0.026	18.54	9.44	0.018	0.62			4	

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES Acc. To ASTM A 370

COLADA HEAT No.	Probeta Test Sample	Diametro (mm) Diameter Ø	Resistencia Tensile Str. N/mm ²	L. Elástico Yield Point N/mm ²	Alargamiento Elongation %	Estricción Red. of Area %	Dureza Hardness HB	Resiliencia Impact Test (ISO V Prob) J; T 20°C		
Solicitado Requirements	Lo = 4D	12.5	485	205	.30		232	60		
6952	Lo = 4D	12.5	500	242	39	62	196	65	67	66
Insp. Visual y C. Dimensional Visual Insp. And Dimens check		Ensayo Magnaflux Magnaflux test		Insp. Por Gammagrafia Gammagraphic Inspection		Ensayo de Presión Pressure Test		Insp. Por Ultrasonidos Ultrasonic Test		
S/ MSS-SP-55		Satisfactory								

Certificamos que el material descrito aquí ha sido ensayado y cumple con los requisitos solicitados por el cliente. Los resultados arriba indicados son fiel reflejo de los certificados 3.1.B. correspondientes s/ EN 10204, que obran en nuestro poder, emitidos por los suministradores homologados.

I hereby certify that the material described above, has been tested and complies with the material requirements of the purchase order. The results above indicated are exact transcription from the corresponding 3.1.B. certificates acc. to EN 10204, which are filed in our factory, emitted by our homologated suppliers.



 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER	CERTIFICADO DE MATERIALES s/ MILL CERTIFICATE Acc. To	Nº/Nr.: W5907-2, W5908-2
		DATE: 14/12/04
		SHEET:

Cliente/Client.: KLAUS UNION Armaturen International Bremer Str. 53 D-21244 Buchholz	Pedido Nº Purchase Order: HH-02536	Cantidad: Quantity: 2
	Anagrama del Fabricante / sello del Inspector: Manufacturer's Logo / Inspector stamp:	
		

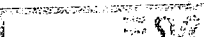
TRATAMIENTO TERMICO HEAT TREATMENT	Normalizado: ☐	Normalizado+Revenido: ☐	Templado+Revenido: ☐	Solubilización: ☒
	Normalized:	Normalized+Tempered	Quenched+Tempered:	Solution:

T. CONDICION CONDITION T.T.	SOLUTION 1050 °C	MODO DE FUSION: INDUCTION MELTING TYPE OF MELTING:
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DENOMINACION DE LA PIEZA: CASTING DENOMINATION:	Globe Disc	2" -150 Lbs	Heat No.:	5568

CALIDAD DE ACERO: STEEL QUALITY:	ASTM A 182 F321	CONDICIONES DE ENTREGA: TERMS OF DELIVERY:	NACE MR 01-75:00
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ANÁLISIS QUÍMICO - CHEMICAL ANALYSIS											Nº de Piezas Ner. Pieces	Peso kgs. Weight
COLADA HEAT No.	C	Si	Mn	P	S	Cr	Ni	Ti	Nb	V		
Solicitado Requirements (max)	0.08	1.00	2.00	0.045	0.030	9.0-12.0	17.0	0.40-0.70				
5568	0.04	0.85	1.32	0.020	0.015	9.85	19.2	0.45			2	

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES Acc. To ASTM A 370										
COLADA HEAT No.	Probeta Test Sample	Diametro (mm) Diameter Ø	Resistencia Tensile Str. N/mm²	L. Elástico Yield Point N/mm²	Alargamiento Elongation %	Estricción Red. of Area %	Dureza Hardness HB	Resiliencia Impact Test (ISO V Prob) J; T 20°C		
Solicitado Requirements	Lo = 4D	12.5	515	205	30	50	232	60		
5568	Lo = 4D	12.5	525	226	36	58	170	68	65	67
Insp. Visual y C. Dimensional Visual Insp. And Dimens check		Ensayo Magnaflux Magnaflux test		Insp. Por Gammagrafia Gammagraphic Inspection		Ensayo de Presión Pressure Test		Insp. Por Ultrasonidos Ultrasonic Test		
S/ MSS-SP-55		Satisfactory								

Certificamos que el material descrito aquí ha sido ensayado y cumple con los requisitos solicitados por el cliente. Los resultados arriba indicados son fiel reflejo de los certificados 3.1.B. correspondientes s/ EN 10204, que obran en nuestro poder, emitidos por los suministradores homologados.

We hereby certify that the material described above, has been tested and complies with the material requirements of the purchase order. The results above indicated are exact transcription from the corresponding 3.1.B. certificates acc. to EN 10204, which are field in our factory, emitted by our homologated suppliers.

Quality

SPECIALTY VALVES RESEARCH, S.A.
Control Department

14 ENE. 2005

QA/QC Department



SPECIALTY VALVES RESEARCH, S.A.
VALVES MANUFACTURER

LIQUID PENETRANT INSPECTION

Certificate No.: 200-V655-W5907

Work Order: **W5907-06/12**

Customer: **KLAUS UNION**

Valve Type: **Globe Valve 150Lb 2"**

Heat No.: **6952**

Drawing: **2. 150Lb RF**

Part: **Flange end**

Item: 200

P. O. No.: HH-02536

Quantity: 1

Serials No.: W5907

Surface Conditions: AS RAW

Material: ASTM A351 CF8C

Reference Procedure: **E165**

Acceptance Standards: **ANSI B 16.34**

Precleaned by: **WATER**

Type of penetrant: **HP-ST**

Rinsed by: **HD-ST**

Type of developer: **HR-ST**

Penetr. Time (min.): 5-20

Developer Time (min.): 7-30

Temperature (°C): 15°C

INTERPRETATION OF TEST RESULTS:

	YES	NO	ACCEPT.	NOT ACCEPT.
Linear indications	☐	☒	☒	☐
Group of linear indications	☐	☒	☒	☐
Non linear indications	☐	☒	☒	☐

Sketch of
Discontinuities:

RESULTS:

- ☒ Conforming
☐ Non Conforming

REPAIR OF DISCONTINUITIES MADE BY:

REINSPECTED BY:

- ☐ Accepted
☐ Rejected

SVR - SPECIALTY VALVES RESEARCH

INSPECTORS

Examination by
Level II SNT-TC-1A
EN 473

Approved by
Level II SNT-TC-1A
EN 473

WITNESS POINT CUSTOMER

☐ YES ☐ NOT ☐ OTHERS

Sign.

17 ENE.

2005
Sign.

Sign.

Sign.

Date January 17, 2005

QA/QC Department
Date January 17, 2005

Date

Date



SPECIALTY VALVES RESEARCH, S.A.
VALVES MANUFACTURER

LIQUID PENETRANT INSPECTION

Certificate No.: 200-V655-W5908

Work Order: W5908-06/12
Customer: KLAUS UNION
Valve Type: Globe Valve 150Lb 2"
Heat No.: 6952
Drawing: 2. 150Lb RF
Part: Flange end

Item: 200
P. O. No.: HH-02536
Quantity: 1
Serials No.: W5908
Surface Conditions: AS RAW
Material: ASTM A351 CF8C

Reference Procedure: E165
Acceptance Standards: ANSI B 16.34
Precleaned by: WATER
Type of penetrant: HP-ST
Rinsed by: HD-ST
Type of developer: HR-ST
Penetr. Time (min.): 5-20
Temperature (°C): 15°C

Developer Time (min.): 7-30

INTERPRETATION OF TEST RESULTS:

	YES	NO	ACCEPT.	NOT ACCEPT.
Linear indications	☐	☒	☒	☐
Group of linear indications	☐	☒	☒	☐
Non linear indications	☐	☒	☒	☐

Sketch of Discontinuities:

RESULTS:

☒ Conforming
☐ Non Conforming

REPAIR OF DISCONTINUITIES MADE BY:

REINSPECTED BY:

- ☐ Accepted
☐ Rejected

SVR - SPECIALTY VALVES RESEARCH

INSPECTORS

Examination by
Level II SNT-TC-1A
EN 473

Approved by
Level II SNT-TC-1A
EN 473

WITNESS POINT CUSTOMER

☐ YES ☐ NOT ☐ OTHERS

Sign.

Sign.

Sign.

Sign.

Date January 17, 2005

Date January 17, 2005

Date

Date



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D - 44713 Bochum
Blumenfeldstr. 18
D - 44795 Bochum

Telefon (0234) 4595 - 0
Telefax (0234) 43 23 87

Abnahmeprüfzeugnis DIN EN 10204 - 3.1B

Inspection certificate

Besteller: *Lurgi Öl Gas Chemie GmbH, D-60295 Frankfurt*
Customer:

Bestell-Nr.: *Lurgi Job – No.: 69690-10*
Order no.: *Lurgi OGC PO.-No.: 4567571-000/1.69690/136*

Project Name : *2nd Zagros Methanol Plant - Iran*

Auftrag-Nr.: *HH - 02536*
Job no.:

Lieferumfang / range:

Pos	Stck. pcs.	Gegenstand object	DN	PN	Werkstoff material	Bemerkung comment
00210	1	Regulierventile Mit Getriebe Globe valve with reg. Plug disc Gear operated	6"	CI 900 BW 168,3 x 7,11	ASTM A 351 CF8C	Valve Ident – No.: " V 656G " LIP 210-V656G-W5909 RE W5909

Auslegung + Prüfung nach *API 600 / API 598 / Nace MR 0175*
Design and tests acc. to

Sicht- und Funktionsprüfung: *o.k.*
visual and functional test:

Festigkeits-/Dichtheitsprüfung: *Festigkeit / shell test = 225 bar Wasser / water (60 sec)*
strength-/tightness-test: *Dichtheit Sitz / seat = 165 bar Wasser / water (60 sec)*
Rückdichtung / backseat = 165 bar Wasser / water (60 sec)
Dichtheit Sitz / seat = 4-7 bar Luft / air (60 sec)

Prüfungsergebnis: *ohne Beanstandung !*
result: *no complaint !*

Bochum, den 25.02.2005 - WG **KLAUS UNION** GmbH & Co. KG
Werksachverständiger:
Manufacturer's authorized inspector: *Walter Glass*

Anlage: *Dokumentation gemäß Material-Dokumentationsdeckblatt*
enclosure *Documentation acc. to material cover sheet*



Datum / Date	25.02.2005
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Seite / Page 1

Sachbearbeiter
Person in charge

W. Glass
Dall 8/3

Luraj Job - No.: **69690-10**

Lurgi OGC PO,- No.: 4567571 - 000 / 1.69690 / 136

Project Name: 2nd Zagros Methanol Plant - Iran

01.03.2005

 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER	CERTIFICADO DE MATERIALES s/ MILL CERTIFICATE Acc. To	Nº/Nr.: W5909-1
		DATE: 14/12/04
		SHEET:

Cliente/Client.: KLAUS UNION Armaturen International Bremer Str. 53 D-21244 Buchholz	Pedido Nº Purchase Order: HH-02536	Cantidad: Quantity: 2
	Anagrama del Fabricante / sello del Inspector: Manufacturer's Logo / Inspector stamp:	
		

TRATAMIENTO TERMICO HEAT TREATMENT	Normalizado: ☐	Normalizado+Revenido ☐	Templado+Revenido: ☐	Solubilización: ☒
	Normalized:	Normalized+Tempered	Quenched+Tempered:	Solution:

T. CONDICION CONDITION T.T.	SOLUTION 1050 °C	MODO DE FUSION: INDUCTION MELTING TYPE OF MELTING:
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DENOMINACION DE LA PIEZA: CASTING DENOMINATION:	Globe Body	6" -900 Lbs	Heat No.:	K48017
	Globe Bonnet	6" -900 Lbs	Heat No.:	K48017

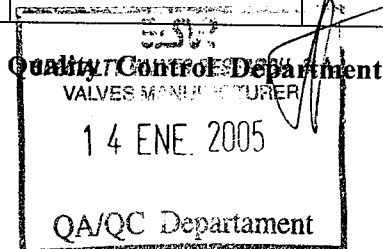
CALIDAD DE ACERO: STEEL QUALITY:	ASTM A 351 CF8C	CONDICIONES DE ENTREGA: TERMS OF DELIVERY:	NACE MR 01-75:00
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ANÁLISIS QUÍMICO - CHEMICAL ANALYSIS												Nº de Piezas Ner. Pieces	Peso kgs. Weight
COLADA HEAT No.	C	Si	Mn	P	S	Cr	Ni	Mo	Nb	V			
Solicitado Requirements (max)	0.08	2.00	1.50	0.040	0.040	18.0- 21.0	9.0- 12.0	0.50	8C- 1.00				
K48017	0.059	0.79	1.26	0.018	0.020	19.36	9.28	0.019	0.64			2	

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES Acc. To ASTM A 370										
COLADA HEAT No.	Probeta Test Sample	Diametro (mm) Diameter Ø	Resistencia Tensile Str. N/mm ²	L. Elástico Yield Point N/mm ²	Alargamiento Elongation %	Estricción Red. of Area %	Dureza Hardness HB	Resiliencia Impact Test (ISO V Prob) J; T 20°C		
Solicitado Requirements	Lo = 4D	12.5	485	205	.30		232	60		
K48017	Lo = 4D	12.5	512	246	39	64	192	65	67	69
Insp. Visual y C. Dimensional Visual Insp. And Dimens check		Ensayo Magnaflux Magnaflux test		Insp. Por Gammagrafia Gammagraphic Inspection		Ensayo de Presión Pressure Test		Insp. Por Ultrasonidos Ultrasonic Test		
S/ MSS-SP-55		Satisfactory								

Certificamos que el material descrito aquí ha sido ensayado y cumple con los requisitos solicitados por el cliente. Los resultados arriba indicados son fiel reflejo de los **certificados 3.1.B.** correspondientes s/ **EN 10204**, que obran en nuestro poder, emitidos por los suministradores homologados.

We hereby certify that the material described above, has been tested and complies with the material requirements of the purchase order. The results above indicated are a true and correct transcription from the corresponding **3.1.B. certificates** acc. to **EN 10204**, which are field in our factory, emitted by our homologated suppliers.



 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER	CERTIFICADO DE MATERIALES s/ MILL CERTIFICATE Acc. To	Nº/Nr.: W5909-2
		DATE: 14/12/04
		SHEET:

Cliente/Client.: KLAUS UNION Armaturen International Bremer Str. 53 D-21244 Buchholz	Pedido Nº Purchase Order: HH-02536	Cantidad: Quantity: 1
	Anagrama del Fabricante / sello del Inspector: Manufacturer's Logo / Inspector stamp:	
		

TRATAMIENTO TERMICO HEAT TREATMENT	Normalizado: ☐	Normalizado+Revenido ☐	Templado+Revenido: ☐	Solubilización: ☒
	Normalized: ☐	Normalized+Tempered ☐	Quenched+Tempered: ☐	Solution: ☒

T. CONDICION CONDITION T.T.	SOLUTION 1050 °C	MODO DE FUSION: INDUCTION MELTING TYPE OF MELTING:
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DENOMINACION DE LA PIEZA: CASTING DENOMINATION:	Globe Disc	6" -900 Lbs	Heat No.:	5568

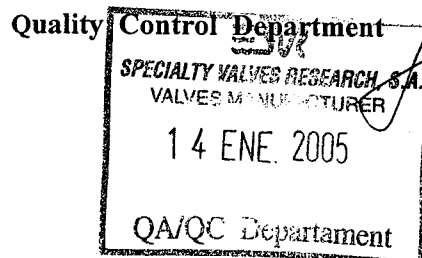
CALIDAD DE ACERO: STEEL QUALITY:	ASTM A 182 F321	CONDICIONES DE ENTREGA: TERMS OF DELIVERY:	NACE MR 01-75:00
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ANÁLISIS QUÍMICO - CHEMICAL ANALYSIS												Nº de Piezas Ner. Pieces	Peso kgs. Weight
COLADA HEAT No.	C	Si	Mn	P	S	Cr	Ni	Ti	Nb	V			
Solicitado Requirements (max)	0.08	1.00	2.00	0.045	0.030	9.0- 12.0	17.0	0.40- 0.70					
5568	0.04	0.85	1.32	0.020	0.015	9.85	19.2	0.45				1	

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES Acc. To ASTM A 370										
COLADA HEAT No.	Probeta Test Sample	Diametro (mm) Diameter Ø	Resistencia Tensile Str. N/mm²	L. Elástico Yield Point N/mm²	Alargamiento Elongation %	Estricción Red. of Area %	Dureza Hardness HB	Resiliencia Impact Test (ISO V Prob) J; T 20°C		
Solicitado Requirements	Lo = 4D	12.5	515	205	30	50	232	60		
5568	Lo = 4D	12.5	525	226	36	58	170	68	65	67
Insp. Visual y C. Dimensional Visual Insp. And Dimens check		Ensayo Magnaflux Magnaflux test		Insp. Por Gammagrafia Gammagraphic Inspection		Ensayo de Presión Pressure Test		Insp. Por Ultrasonidos Ultrasonic Test		
S/ MSS-SP-55		Satisfactory						✓		

Certificamos que el material descrito aquí ha sido ensayado y cumple con los requisitos solicitados por el cliente. Los resultados arriba indicados son fiel reflejo de los **certificados 3.1.B.** correspondientes s/ **EN 10204**, que obran en nuestro poder, emitidos por los suministradores homologados.

We hereby certify that the material described above, has been tested and complies the material requirements of the purchase order. The results above indicated exact transcription from the corresponding **3.1.B. certificates** acc. to **EN 10204**, which are field in our factory, emitted by our homologated suppliers.





SPECIALTY VALVES RESEARCH, S.A.
VALVES MANUFACTURER

LIQUID PENETRANT INSPECTION

Certificate No.: **210-V656G-W5909**

Work Order: **W5909-06/12**

Customer: **KLAUS UNION**

Valve Type: **Globe Valve 900Lb 6"**

Heat No.: **K48017**

Drawing: **2. 900Lb RF**

Part: **BW end**

Item: **210**

P. O. No.: **HH-02536**

Quantity: **1**

Serials No.: **W5909**

Surface Conditions: **AS RAW**

Material: **ASTM A351 CF8C**

Reference Procedure: **E165**

Acceptance Standards: **ANSI B 16.34**

Precleaned by: **WATER**

Type of penetrant: **HP-ST**

Rinsed by: **HD-ST**

Type of developer: **HR-ST**

Penetr. Time (min.): **5-20**

Developer Time (min.): **7-30**

Temperature (°C): **15°C**

INTERPRETATION OF TEST RESULTS:

	YES	NO	ACCEPT.	NOT ACCEPT.
Linear indications	☐	☒	☒	☐
Group of linear indications	☐	☒	☒	☐
Non linear indications	☐	☒	☒	☐

Sketch of Discontinuities:

RESULTS:

☒ Conforming
☐ Non Conforming

REPAIR OF DISCONTINUITIES MADE BY:

REINSPECTED BY:

☐ Accepted

☐ Rejected

SVR - SPECIALTY VALVES RESEARCH

INSPECTORS

Examination by: **Level II SNT-TC-1A**
EN 473 17 FNE 2005

Approved by: **Level II SNT-TC-1A**
EN 473

WITNESS POINT CUSTOMER

☐ YES ☐ NOT ☐ OTHERS

Sign.

QA/QC Department

Sign.

Sign.

Sign.

Date January 17, 2005

Date January 17, 2005

Date

Date

 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER	ADDRESS:	ARETXALDE, 150 48196 LEZAMA -BIZKAIA- (SPAIN)
	PHONE:	+ (34) 94. 455. 51. 51
	FAX:	+ (34) 94. 455. 51. 50
	WEBB:	www.svrvalves.com
	E-mail:	webmaster@svrvalves.com

RADIOGRAPHIC EXAMINATION REPORT FOR CASTINGS

Procedure:	ASME B 16.34	Report No.:	W5909
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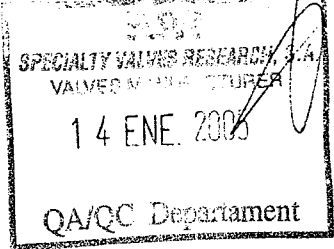
Page: 1 / 2

Customer : KLAUS UNION	Contract: HH-02536
Description : GATE BODY	Extension of Test: BW-ENDS
Drawing : 900LB 6"	Radiographed at: Shop: ☒ Field: ☐
Material : CF8C Heat Number: K48017	

X Rays KV Γ RAYS	Isotope : IR 192	Curies: 40	Focal Spot Size: 3x3
Film Type, Brand and Size : KODAK AA400,360x50/360x80	IQI: ASTM 1B		
Screens Type and Thickness : Pb,0.05/0.20	Material Thickness: 40		
Density : 1.5-4.0	Source Film Distance : 600MM	Exposure Time: 4min	

Evaluation standard for steel castings radiographic examination (See Back)	Acceptance Standard
Sketch of geometric arrangement of radiographs and location markers in attached form	ASME B 16.34

Identification	Interval	Viewing	Evaluation	Observed Defects							
				Porosity	Sand	Shrinkage	Cracks	Hot Tears	Others	Superf.	Accepted
R1	1-2		II	/	/	/	/	/	/	I	OK
R2	2-3		II	/	/	/	/	/	/	I	OK
R3	3-1		II	/	/	CA2	/	/	/	II	OK
R4	4-5		II	/	/	/	/	/	/	I	OK
R5	5-6		II	/	/	/	/	/	/	I	OK
R6	6-4		II	/	/	/	/	/	/	I	OK
R7	7-8		II	/	/	CA1	/	/	/	I	OK
R8	8-9		II	/	/	/	/	/	/	I	OK
R9	9-7		II	/	/	CA2	/	/	/	II	OK
R10	10		II	/	/	/	/	/	/	I	OK
R11	11		II	/	/	/	/	/	/	I	OK

Certificamos que el material descrito aquí ha sido ensayado y cumple con los requisitos solicitados por el cliente. Los resultados arriba indicados son fiel reflejo de los certificados correspondientes, que abran en nuestro poder, emitidos por los suministradores homologados. We hereby certify that material described above, have been tested and complies to the material requirements of the purchase order. The results above indicated are exact transcription from the corresponding certificates, which are field in our factory, emitted by homologated suppliers.	 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER 14 ENE. 2005 QA/QC Department
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 SPECIALTY VALVES RESEARCH, S.A. VALVES MANUFACTURER	ADDRESS:	ARETXALDE, 150 48196 LEZAMA -BIZKAIA- (SPAIN)
	PHONE:	+ (34) 94. 455. 51. 51
	FAX:	+ (34) 94. 455. 51. 50
	WEBB:	www.svrvalves.com
	E-mail:	webmaster@svrvalves.com

RADIOGRAPHIC MAP

Page: 2 / 2

Procedure:	ASME B 16.34		
Customer:	KLAUS UNION	Heat:	K48017
Contract:	HH-02536	Part No.	W5909
Drawing:	900LB 6"	Descriptions:	GATE BODY

Radiografy No.	Type and Size of Film	Thickness	Source	I.Q.I.	Focus-Film Distance	Density	Back Shielding
R1-R11	KODAK AA400	40	IR 192	ASTM 1B	600MM	1.5-3.0	Pb
*****	*****	*****	*****	*****	*****	*****	*****
*****	*****	*****	*****	*****	*****	*****	*****

