





## DAFTAR PUSTAKA

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## LAMPIRAN

### Lampiran 1 Laporan pengujian impact charpy 75 A

#### Laporan pengujian impact charpy 75 A



#### PT. BAKRIE PIPE INDUSTRIES

Jl. Raya Perjuangan, Medan Satria  
Bekasi 17131 Indonesia  
Telp : 021 88882095  
Fax : 021 88882094



### TESTING REPORT

**Testing Report No** : TR/LAB/01-22/0012 **Page** : 1 of 2  
**Customer** : Mr. Mahatr Arafat **Date Tested** : 12 January 2022  
( NPM : 41187001160014 )  
**Address** : - **Order No.** : -  
**Client Name** : - **Sample Marking** : 1.MHS.12  
**Project** : -  
**Object to be tested** : (as received)  
**Test Piece Description** : All specimen was taken from stainless steel pipe joint test sample Matrial Spec : SS 304  
Size : Ø ½" x 2.50 mm thickness , Welding Process : GTAW, Position of Groove : 1G  
Ampere : 95 A

### TEST RESULT See Attachment TESTING MACHINE

Type of Test	Test Method	Reference Code	Testing Machine Used	ID No.	Serial No.
Charpy V-Notch	ASTM E 23	ASME Sect. IX	Wolpert	B.07.01	50-543 - 9103

Approved Signatory

  
Lise Maitner  
Laboratory Technician

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Form No. LAB-QP-18A-Rev. 1

The results reported herein have been performed in accordance with the laboratory's terms of accreditation under Komite Akreditasi Nasional (ISO/IEC 17025:2005)

## Laporan pengujian impact 75 A



### PT. BAKRIE PIPE INDUSTRIES

Jl. Raya Perjuangan, Medan Sabria  
Bekasi 17131 Indonesia  
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## ATTACHMENT TESTING REPORT

Testing Report No : TR/LAB/01-22/0010 Page : 2 of 2  
Reference Code : ASME Sect. IX Date Tested : 12 January 2022  
Test Method : ASTM E 23 Sample Marking : 1.MHS.10  
Room Temperature : 23°C Humidity : 55%

### CHARPY V-NOTCH (WELDING JOINT SECTION)

Item No	V-Notch Position	Specimen Size (mm)	Test Temp. (°C)	Absorbed Energy Value (joule)			Average (J)
				1	2	3	
1	WCL ( 75A )	10 x 2.5 x 55	Room Temperatur	24	26	30	27

Remarks : -  
Test Conducted By : Mr. Maulana Y

Approved Signatory



Lise Maltner  
Laboratory Technician

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Form No. LAB-QP-184-Rev. 1

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## Lampiran 2 Laporan pengujian impact charpy 85 A

### Laporan pengujian impact charpy 85 A



#### PT. BAKRIE PIPE INDUSTRIES

Jl. Raya Perjuangan, Medan Satria  
Bekasi 17131 Indonesia  
Telp : 021 88862095  
Fax : 021 88882094



### TESTING REPORT

**Testing Report No** : TR/LAB/01-22/0011 **Page** : 1 of 2  
**Customer** : Mr. Mahatir Arafat **Date Tested** : 12 January 2022  
 ( NPM : 41187001160014 )  
**Address** : - **Order No.** : -  
**Client Name** : - **Sample Marking** : 1.MHS.11  
**Project** : -  
**Object to be tested** : (as received)  
**Test Piece Description** : All specimen was taken from stainless steel pipe joint test sample Material Spec : SS 304  
 Size :  $\varnothing$  1/2" x 2.50 mm thickness , Welding Process : GTAW, Position of Groove : IG  
 Ampere : 85 A

#### TEST RESULT See Attachment TESTING MACHINE

Type of Test	Test Method	Reference Code	Testing Machine Used	ID No.	Serial No.
Charpy V-Notch	ASTM E 23	ASME Sect. IX	Wolpert	B.07.01	50-543 - 9103

Approved Signatory

  
 Lise Maitner  
 Laboratory Technician

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Form No : LAB-QP-18A-Rev. 1

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## Laporan pengujian impact charpy 85 A



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## ATTACHMENT TESTING REPORT

Testing Report No : TR/LAB/01-22/0011 Page : 2 of 2  
Reference Code : ASME Sect. IX Date Tested : 12 January 2022  
Test Method : ASTM E 23 Sample Marking : 1.MHS.11  
Room Temperature : 23°C Humidity : 55%

### CHARPY V-NOTCH (WELDING JOINT SECTION)

Item No	V-Notch Position	Specimen Size (mm)	Test Temp. (°C)	Absorbed Energy Value (joule)			Average (J)
				1	2	3	
1	WCL ( 85A )	10 x 2.5 x 55	Room Temperatur	26	18	32	25

Remarks : -  
Test Conducted By : Mr. Maulana Y

Approved Signatory

Lise Maitner  
Laboratory Technician

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Form No : LAB-QP-ISA-Rev. 1

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## Lampiran 3 Laporan pengujian impact charpy 95 A

### Laporan pengujian impact charpy 95 A



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### TESTING REPORT

**Testing Report No** : TR/LAB/01-22/0010 **Page** : 1 of 2  
**Customer** : Mr. Mahabir Arafat **Date Tested** : 12 January 2022  
 ( NPM : 41187001160014 )  
**Address** : - **Order No.** : -  
**Client Name** : - **Sample Marking** : 1.MHS.10  
**Project** : -  
**Object to be tested** : (as received)  
**Test Piece Description** : All specimen was taken from stainless steel pipe joint test sample Material Spec : SS 304  
 Size :  $\varnothing$  1/2" x 2.50 mm thickness , Welding Process : GTAW, Position of Groove : 1G  
 Ampere : 75 A

#### TEST RESULT See Attachment TESTING MACHINE

Type of Test	Test Method	Reference Code	Testing Machine Used	ID No.	Serial No.
Charpy V-Notch	ASTM E 23	ASME Sect. IX	Wolpert	B.07.01	50-543 - 9103

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Lise Maitner  
Laboratory Technician

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## Laporan pengujian impact charpy 95 A

 <p><b>Bakrie Pipe Industries</b> <i>Laboratory</i></p>	<p><b>PT. BAKRIE PIPE INDUSTRIES</b>          Jl. Raya Perjuangan, Medan Satria          Bekasi 17131 Indonesia          Telp : 021 88882095          Fax : 021 88882094</p>	 <p><b>KAN</b>          Komite Akreditasi Nasional          Laboratorium Pengujian          LP-732-020</p>
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### ATTACHMENT TESTING REPORT


<p><b>Testing Report No</b> : TR/LAB/01-22/0012  <b>Reference Code</b> : ASME Sect. IX  <b>Test Method</b> : ASTM E 23  <b>Room Temperature</b> : 23°C</p>	<p><b>Page</b> : 2 of 2  <b>Date Tested</b> : 12 January 2022  <b>Sample Marking</b> : 1.MHS.12  <b>Humidity</b> : 55%</p>
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**CHARPY V-NOTCH (WELDING JOINT SECTION)**

Item No	V-Notch Position	Specimen Size (mm)	Test Temp. (°C)	Absorbed Energy Value (joule)			Average (J)
				1	2	3	
1	WCL ( 95A )	10 x 2.5 x 55	Room Temperatur	24	24	24	24

**Remarks** : -  
**Test Conducted By** : Mr. Maulana Y

**Approved Signatory**



**Lise Martner**  
Laboratory Technician

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