

Customer Name Pipe & Prophile Mahyar Prophile Sepahan
 Customer Address: Unit.802, Floor.6, Phase 1, Kowsar trading Complex, 4Bagh, Isfahan

Sample Name: Sample

Client Reference Number: 9803 Laboratory Environmental Conditions:

Temperature : 25°C Moisture: 41% Attachments:
 Sampling was done by the customer.

Date of Delivery: 1-4360
 Order No: 0
 Revision No.: 0
 Sample(s) Received at: 2019/5/11
 Date of Financial Verifying: 2019/5/12
 Date of Test: 2019/5/13
 Page: 1 of 6

Dimension: NPS 6"

Mass per Unit Length (Kg/m)	19.934
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Parameter	Dimension mm
Outside Diameter	167.28 +0.66/-0.62
Thickness	5.12 +0.12/-0.10



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- Approved laboratory by ISIRI, MHME & ED
- Selected as Top Company by CLSW of Tehran

B. mohamad Pour
Expert

B. mohamad Pour
Technical Manager



Reports will only be valid with holograms. RMRC has no responsibility to verify the sample's name stated by the customers. Test samples will be stored here only for one month after the tests. The above-mentioned results will be valid only for the tested samples. For further information please write to the Laboratory manager. For direct contact with the managing director please call (021) 46 81 55 33 or write to y_jaferian@razi-center.net Address: Razi Metallurgical Research Center. No. 8, Fernan Avenue, Sorkhehesar Entrance, 21th Km, Karaj Makhsoos Road, Tehran-Iran. Tel: (+98)(21) 63 07 Fax: (+98)(21) 46 83 15 97 & 46 84 33 71 Customer Voice: (+98)(21) 46 83 15 68 Website: www.razi-center.net Email: info@razi-center.net

Customer Name: Pipe & Prophile Mahyar Prophile Sepahan
 Customer Address: Unit.802, Floor.6, Phase 1, Kowsar trading Complex, 4Bagh, Isfahan

Sample Name: Sample

Client Reference Number: 9803
 Laboratory Environmental Conditions:

Temperature: 23°C Moisture: 30% Attachments:

Test was performed under the scope of ISO/IEC17025 standard.

Sampling was done by the customer.

Order No: 1-4360
 Revision No.: 0
 Sample(s) Received at: 2019/5/11
 Date of Financial Verifying: 2019/5/12
 Test(s) Finished at: 2019/5/13
 Page: 2 of 6

STANDARDIZATION

1. Chemical Composition Test	Accept <input checked="" type="checkbox"/>	Reject <input type="checkbox"/>
2. Tensile Test	Accept <input checked="" type="checkbox"/>	Reject <input type="checkbox"/>
3. Impact Test	Accept <input checked="" type="checkbox"/>	Reject <input type="checkbox"/>

According to the results, the raw material of the sample conforms to the requirements of " BS EN 10025-2 (2004) Grade S355 J0 St52-3U (1.0553)".

- The test results are provided in the following pages.



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[Signature]

[Signature]
 Technical Manager



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Customer Name: Pipe & Profile Mahyar Profile Sepahan
 Customer Address: Unit.802, Floor.6, Phase 1, Kowsar trading Complex, 4Bagh, Isfahan

Sample Name: Sample

Client Reference Number: 9803
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Temperature: 23°C Moisture: 30% Attachments:

Test was performed under the scope of ISO/IEC17025 standard.

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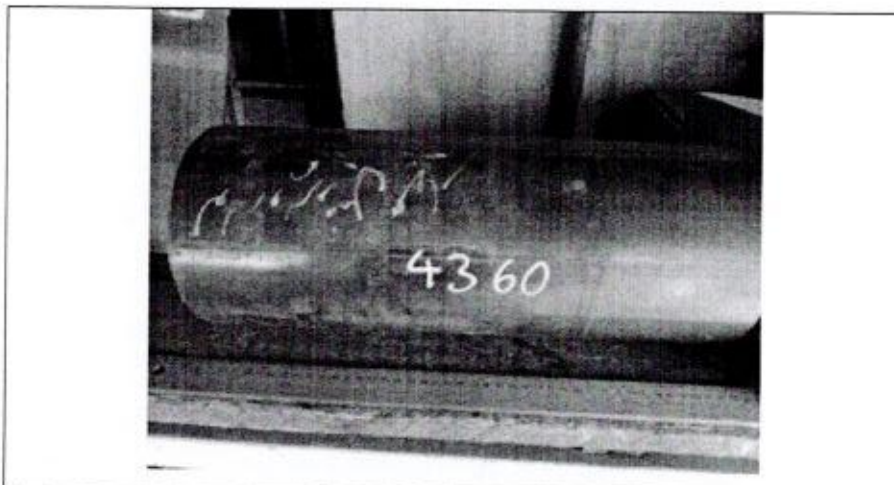


Image of the sample



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[Signature]
Expert

[Signature]
Technical Manager

RMRC
 Laboratory Manager
 M. Jaferian

Customer Name: Pipe & Prophile Mahyar Prophile Sepahan
 Customer Address: Unit.802, Floor.6, Phase 1, Kowsar trading Complex, 4Bagh, Isfahan

Sample Name: Sample

Client Reference Number: 9803
 Laboratory Environmental Conditions:

Test was performed under the scope of ISO/IEC17025 standard.

Temperature: 25°C Moisture: 30% Attachments:

Sampling was done by the customer.

Date of Delivery:

Order No: 1-4360

Revision No.: 0

Sample(s) Received at: 2019/5/11

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Spectrochemical Analysis

According to: ASTM E415-17 ASTM E1999-18 ASTM E1010-16
 Instrument: ARL WAS PMI OXFORD
 Prepration: Cutting & Grinding Surface Grinding Re-Melting & Grinding

The weight percent of measured elements:

C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	W
0.15	0.23	0.91	0.022	0.007	0.004	0.02	0.01	0.003	0.007	0.003
Ti	Co	Al	Sn	Pb	As	Sb	Zr	Nb	Fe	
0.002	0.004	0.034	0.004	None	Trace	Trace	Trace	0.019	Base	

The chemical composition of the received material conforms to the standard BS EN 10025-2 (2004) Grade S355 J0 (St52-3U)(1.0553)

	C	Mn	Si	P	S	N	Cu
Min	*	*	*	*	*	*	*
Max	0.23	1.70	0.60	0.04	0.04	0.014	0.60



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Expert
M. Jafarian

Mohammadian
Technical Manager



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Sample Name: Sample

Client Reference Number: 9803 Laboratory Environmental Conditions:

Test was performed under the scope of ISO/IEC17025 standard.

Temperature: 25°C Moisture: 40% Attachments:

Sampling was done by the customer.

Order No: 1-4360
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TENSILE TEST

Reference Standard: ISO 6892-1 (2016)

Material Type: Fe-based

Sample Section Type: Rectangular

Sampling Position: Longitudinal

Specimen ID.	Dimension A*B (mm*mm)	Initial Area S_0 (mm ²)	Y.S 0.2% Offset R_t MPa	U.T.S MPa	Elongation (%A) $L_0=5.65\sqrt{S_0}$
1	16.07*5.10	81.95	455	529	29.5
STD. Allowable Limits			>355	470-630	>22



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Expert
Nafar

Technical Manager

RMRC
Laboratory Manager
M. Jafarian

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Sample Name: Sample

Client Reference Number: 9803
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IMPACT TEST

Reference Standard: ISO 148-1 (2016)

Test Specimen: Charpy Impact Test

Sample's Type: V-notch & depth: 2mm U-notch & depth: 5mm

Machined Thickness Full Thickness

Sample Section Type: Flat Round Quadrangle Pipe Hollow Section

Test Temperature: Room (0 °C) (- °C)

Striker radius: 8mm

Sampling Position: Longitudinal

Specimen ID.	Dimension (mm)	Impact Energy (J)	Average (J)	Description
IMP-1	10*2.5*55	20	19	Detached
IMP-2	10*2.5*55	18		Detached
IMP-3	10*2.5*55	20		Detached
Acceptance limit		>5	>7	



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