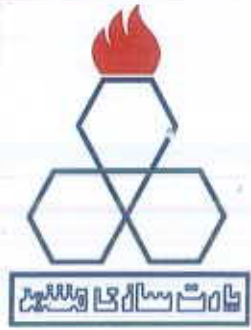


PART SAZI MASHHAD INSPECTION CERTIFICATE

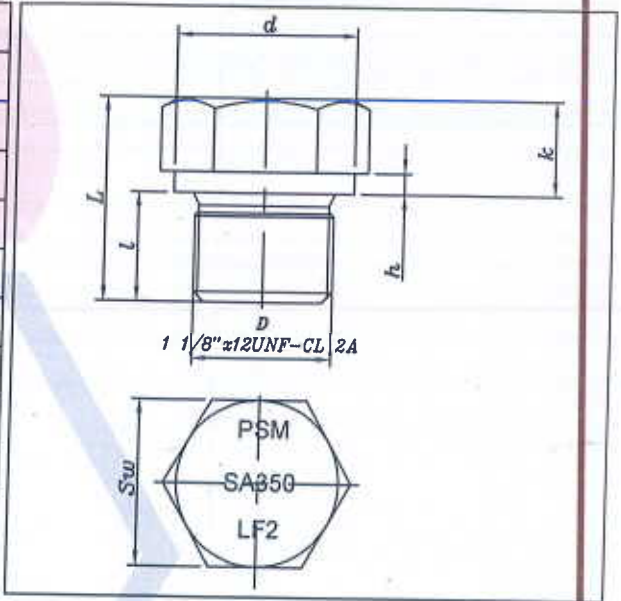


CODE: FQC106
NO: 47444
CAST NO: 5756
LIST NO: 105-01-A0
DESCRIPTION: PLUG 1 1/8-12UNF *21
CUSTOMER: DAMAFIN CO.

GR.SA350 LF2

CONTRACT NO: DAMAFIN - 671

STANDARD		Sample size: 5S	
		min	max
sw	34.50-35.00	34.60	34.79
k	15.50-16.50	15.51	15.72
h	4.00-4.50	4.00	4.21
d	34.50-35.00	34.64	34.70
D	28.24-28.52	28.26	28.31
l	20.20-21.80	21.62	21.74
L	37.00-38.00	37.35	37.76



Mechanical Property

STD: ASME SA350 LF2	Hardness (HB)	T.S N/mm ²	Y.S N/mm ²	EL %	Impact(J) @-46°C
Sample size	5S	1S	1S	1S	1S
STD	max	min	min	min	min
	197	485-655	250	22	20
Sample	137	510	436	28.8	142
Result	ok	ok	ok	ok	ok

Chemical Property

STD: ASME SA350 LF2	%C	%Si	%Mn	%S	%P	%Cr	%Mo	%Ni	%V	%Cu	%Nb
STD	min	---	0.15	0.60	---	---	---	---	---	---	---
	max	0.30	0.30	1.35	0.04	0.035	0.30	0.12	0.40	0.08	0.40
Raw material	0.16	0.21	0.83	0.002	0.010	0.04	0.01	0.03	0.01	0.00	0.00
Result	ok										

DATE: 11.19.2024

Q.C. SIGNATURE:

REV: 01

کارخانه : مشهد. کیلومتر ۱۵ جاده کلات. مقابل شهرک صنعتی مشهد | تلفن : ۰۵۱ - ۳۲۴۵۴۳۸۶ | فکس : ۰۵۱ - ۳۲۴۵۳۳۲۶



Iran Alloy Steel Co.

IRAN ALLOY STEEL CO.
QUALITY CONTROL DEPARTMENT
INSPECTION CERTIFICATE



QC DEPARTMENT

Number: QC/1403/07207

Date: 1403/05/14

Confirm No.: 1403005220

Order No.: ORD-137285

Customer No.: 10000001

Customer: part sazi mashhad

Material Des.: ROUND 0432A 28 MM. BLACK STRAIGHTENED

Heat No.: 2434440

Grade: 0432A (A105)

Delivery Standard: ASTM A105 (2018)



Heat Analysis(%wt):

C	Si	Mn	P	S	Cr	Ni	Mo	V	Cu	Nb	Ceq
0.16	0.21	0.83	0.010	0.002	0.04	0.03	0.01	0.01	0.00	0.00	0.31



Test
TS EN ISO 6 C 17B25
AB-0924-T

Dimension(mm):

Diameter: 28	+0.6	Length: 6000	+100
	-0.6		-100

Note: ACCORDING TO DIN EN 10060 (2004)

On-Line Surface Testing:

Test Method: LEAKAGE FLUX

Test Coverage: 100 %

Note: DIN EN 10221(1995) Class B



Internal Soundness:

Ultrasonic Test: RESULT IS OK

Heat Treatment Condition At Delivery:

Heat Treatment: UNTREATED

Hardness: 137-141 HB



Inclusion Content:

DIN 50602(1985)

K3 (O): 4

Grain Size: 8 ASTM E112(1988)

Note: This document is Issued in accordance with DIN EN 10 204(3.1):2005



Q.C.SUPERINTENDENT:

[Handwritten signature]



Diameter: $\phi 28$
Analysis No: 5756
Cardex No: 94067

Code: FLB127
NO: 12023/1
Date: 1403.07.29



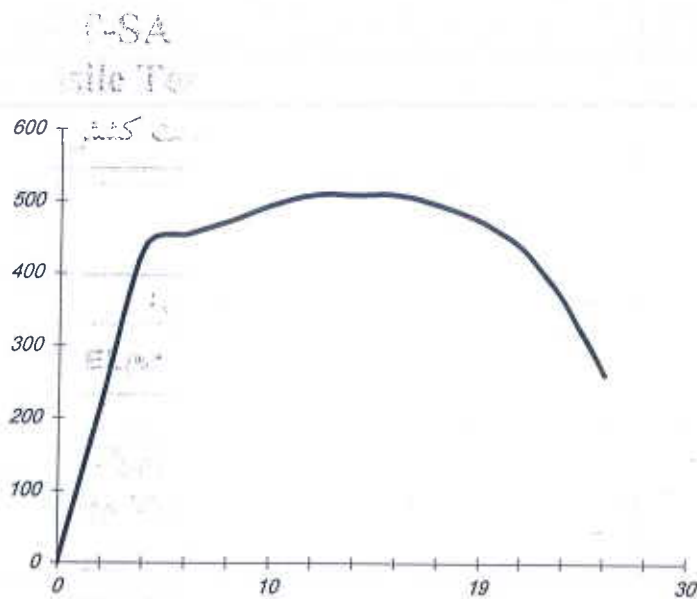
PART-SAZI-MASHHAD Tensile Test Certification



(گواهی آزمون تست کشش)

Name of Part : Ø28 GR: SA350 LF2	نام قطعه : Identification Code: 5756 کد شناسایی شماره انالیز:
نام متقاضی :	Resources:ASTMA370 منابع و مراجع استفاده شده :

T.S (N/mm²): 510 **Y.S** (N/mm²): 436 **EL** (%): 28.8 **Hardness** (HRB) : 137HB **Z**: 69%



Examiner(آزمون کننده)

Q.C Manager (مدیر کنترل کیفیت)



Address: Km 15 Kalat Highway, Mashhad Industrial Zone, Mashhad

Tel :+51 32454385 Fax : +51 32453346

