



**QUALITY ASSURANCE REPORT
(QUALITY INSPECTION CERTIFICATE)**

DATE :20.01.2009

REPORT NO: 26

Sample Taken at : **PACKAGE**
Hour : 11:00

TURKISH STANDARTISATION

STEEL GRIT : G - 25

Sample Taking Standart:

INSTITUTION

STOK NO : 15202009

DIN 50310

EN 10204 3 . 1 . B

SPECIFICATION	STANDARTS	DESCRIPTION	MEASUREMENT	
1. SCREEN ANALYSIS	SAE J 444	All pass no 16 screen 1.18 mm % 70 Min. On no 25 screen 0.71 mm % 80 Min. On no 40 screen 0.43 mm	0,0 85,0 98,0	
2. CHEMICAL ANALYSIS	SAE J 827	Carbon Max - 1,20 Manganese Min - 0,60 Silicon Min - 0,40 Sulphur 0,050 max. phosphorus 0,050 max.	<u>Max.</u> 1,05 1,03 0,92 0,050 0,050	<u>Min.</u> 0,94 0,90 0,80 0,001 0,001
3. HARDNESS	SAE J 827	Nineety percent of the hardnes checks performed on a representative sample shall fall within the range of Rockwell C 40 - 52.	530 - 435 HV / 51,1 - 44,0 HRC	
4. MICRO STRUCTURE	SAE J 827	The microstructure shall be unifomlly tempered martensite .Carbide networks,partical decarburization, grain boundary segregation,or pearlite are undesirable.No more than % 15 of the particles tested shall contain these defects.		
5. VOIDS	SAE J 827	Max. % 10	2%	
6. SHRINK	SAE J 827	Max. % 10	1%	
7. CRACKS	SAE J 827	Max. % 40	20%	
8. NON ROUNDS	SAE J 827	Max. % 5	2%	
9. SPECIFIC GRAVITY	SAE J 827	7,2 gr / cm ³ Min.	<u>Max.</u> 7,54	

CONCLUSION: SAMPLES ARE IN ACCORDANCE WITH THE SEA SPECIFICATON
RETURN TO SCRAP HOLE

SAMPLE TAKEN BY:

CONTROLLED BY:

AUTHORISED SIGNATURE