

CUSTOMER NAME:





TEST REPORT

JINAN ZENTI HEAVY INDUSTRY CO., LTD

No.: QDIN2307001543ML01_EN

Date: 2023-07-14

Page: 1 of 3



ADDRESS: INDUSTRIAL ZONE, DAYANMAN EAST, JINAN, SHANDONG

PROVINCE, CHINA

Grinding Steel Ball Sample Name

Product Specification Ф120mm

July 1, 2023, 9:12 a.m Product or Lot No.

Manufacturer Jinan ZenTi Heavy Industry

Material and Mark B3

Heat No. July 1, 2023, 9:12 a.m

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Chemical Composition Analysis, Rockwell Hardness Test

2023-07-07 Date of Receipt

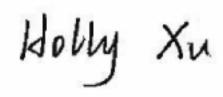
Testing Period : 2023-07-07 ~ 2023-07-14

Test result(s) For further details, please refer to the following page(s)

(Unless otherwise stated the results shown in this test report refer only

to the sample(s) tested)

Signed for SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd..



Holly Xu

Authorized signatory



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1. Chemical Composition Analysis

1. Offerfical Composition Analysis						
Element	Test Method	Result 001 (%)				
С	GB/T 4336-2016+XG1-2017	0.62				
Si	GB/T 4336-2016+XG1-2017	1.30				
Mn	GB/T 4336-2016+XG1-2017	0.73				
Р	GB/T 4336-2016+XG1-2017	0.013				
S	GB/T 4336-2016+XG1-2017	0.006				
Cr	GB/T 4336-2016+XG1-2017	0.79				

2. Rockwell Hardness Test

Test Method: GB/T 230.1-2018

Test item	Sample	Test position	Result		
		Core	56.5	57.5	56.6
		1/4R from the center	57.1	57.3	57.4
HRC		1/2R from the center	57.2	57.3	57.2
	001	3/4R from the center	57.7	57.7	57.7
		Surface	57.7	58.1	57.9
Average volume					
hardness		-	57.7		
(HRC)					

Note: The formula of average volume hardness is specified in YB/T 091-2019.



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*******End of report******

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc...and just for internal reference.



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