

TEST REPORT

No. : QDIN2307001543ML02_EN

Date : 2023-07-14

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scan to see the report



QDIN2307001543ML02

CUSTOMER NAME: JINAN ZENTI HEAVY INDUSTRY CO., LTD
ADDRESS: INDUSTRIAL ZONE, DAYANMAN EAST, JINAN, SHANDONG
PROVINCE, CHINA

Sample Name : Grinding Steel Ball
Product Specification : $\Phi 100\text{mm}$
Product or Lot No. : July 1, 2023, 11:22 a.m
Manufacturer : Jinan ZenTi Heavy Industry
Material and Mark : B2
Heat No. : July 1, 2023, 11:22 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
Date of Receipt : 2023-07-07
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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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

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1. Chemical Composition Analysis

Element	Test Method	Result 002 (%)
C	GB/T 4336-2016+XG1-2017	0.84
Si	GB/T 4336-2016+XG1-2017	0.24
Mn	GB/T 4336-2016+XG1-2017	0.95
P	GB/T 4336-2016+XG1-2017	0.012
S	GB/T 4336-2016+XG1-2017	0.006
Cr	GB/T 4336-2016+XG1-2017	0.71

2. Rockwell Hardness Test

Test Method: GB/T 230.1-2018

Test item	Sample	Test position	Result		
HRC	002	Core	59.0	59.5	60.9
		1/4R from the center	60.1	60.1	59.5
		1/2R from the center	60.8	61.1	61.4
		3/4R from the center	62.2	62.2	62.4
		Surface	62.1	62.1	62.0
Average volume hardness (HRC)		-	61.9		

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



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Sample Photo

*****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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