

TEST REPORT

No. : QDIN2406001365ML02_EN

Date : 2024-06-17

Page: 1 of 2



CUSTOMER NAME: JINAN ZENTI HEAVY INDUSTRY CO.,LTD
ADDRESS: DAYANMAN EAST, ZHANGQIU DISTRICT, JINAN, SHANDONG,
CHINA

Sample Name : D80 CASTING GRINDING BALL
Product Specification : High Chrome
Product or Lot No. : 2024-04-20
Manufacturer : Jinan ZenTi Heavy Industry
Material and Mark : CR17% CASTING GRINDING BALL

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 : 2024-06-11
Testing Period : 2024-06-11 ~ 2024-06-17
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..

Rose wang

Rose Wang
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
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 Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101
中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgsgroup.com.cn
t (86-532) 68999888 sgs.china@sgs.com

TEST REPORT

No. : QDIN2406001365ML02_EN

Date : 2024-06-17

Page: 2 of 2

1. Chemical Composition Analysis

Element	Test Method	Result 002 (%)
C	OES	2.37
Si	GB/T 4336-2016+XG1-2017	0.77
Mn	GB/T 4336-2016+XG1-2017	0.48
P	GB/T 4336-2016+XG1-2017	0.031
S	GB/T 4336-2016+XG1-2017	0.010
Cr	OES	18.16

2. Rockwell Hardness Test

Test Method: GB/T 230.1-2018

Test item	Sample	Test position	Result		
HRC	002	Surface	63.3	63.0	63.2
		Core	63.1	63.2	63.0



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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
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 Center, No.143, Zhuzhou Road, Laoshan District, Qingdao, Shandong, China 266101
 中国·山东·青岛市崂山区株洲路143号通标中心 邮编: 266101

t (86-532) 68999888 www.sgs.com.cn
 t (86-532) 68999888 sgs.china@sgs.com

Member of the SGS Group (SGS SA)