

# TEST REPORT

Report No.: UTS25120146M56E

Report Date: 2025/12/23

Client : Jiangsu Jinhap automotive parts Co.,LTD

Address : No. 50, Laoshan south road, Yancheng economic development zone,  
Jiangsu province

The sample information below is provided and confirmed by client:

Sample Name : 20MnB4  
Description : Substrate  
Receiving Date : 2025/12/09  
Test Item : Constituent analysis



签 发 樊建红 审 核 夏雨 编 制 闵丹丹  
樊建红 授权签字人

第1页 共3页

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or available on request. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced, except in full, without written approval of the Company. 本报告按本公司所制定之通用服务条款所编制发放。请注意本报告首页背面之此条款，本公司之义务、免责、管辖权均有明确规定，该条款也可向本公司索取。除非另有说明，本报告仅对来样负责，未经许可，不得部分复制本报告。

江苏省优联检测技术服务有限公司

地址：苏州市吴中区越溪街道北官渡路50号3幢 215021  
电话 (Tel) : +0512-66358200

UNITED TESTING SERVICES (JIANGSU), CO., LTD.

Address: Building 3, No.50 Beiguandu Road, Wuzhong Zone, Suzhou, Jiangsu, China, 215021  
传真 (Fax) : +0512-66358088

## TEST REPORT

Report No.: UTS25120146M56E

Report Date: 2025/12/23

## 1、Test Standard

GB/T 20123-2006 Steel and iron-Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace (routine method)

GB/T 20125-2006 Low-alloy steel-Determination of multi-element contents—Inductively coupled plasma atomic emission spectrometric method

## 2、Test Date

2025/12/17-2025/12/20

## 3、Test Equipment

Test Equipment	Equipment Number	Calibration Period of Validity
Infrared carbon and sulfur analyzer	M-1-061	2026/12/12
Plasma emission spectrometer	M-1-584	2027/12/10

## 4、Test Condition

Environment Temperature : (23±5)°C

Environment Humidity : ≤70%RH

## 5、Test Result(s)

Sample No.	Test Item	Mass Fraction	Judgment Basis	Test Result	Determine
56	C	%	0.18~0.23	0.211	PASS
	Si		≤0.30	0.068	
	Mn		0.90-1.20	0.938	
	P		≤0.025	0.0079	
	S		≤0.025	0.002	
	Cr		≤0.30	0.093	

Note: The limit value is determined according to customer requirements.

# TEST REPORT

Report No.: UTS25120146M56E

Report Date: 2025/12/23

## 6、Test Photo(s)



Sample status



Test equipment(M-1-061)



Test equipment(M-1-584)

.....End of Report.....

Test results in this report are only used for scientific research, teaching and internal quality control.