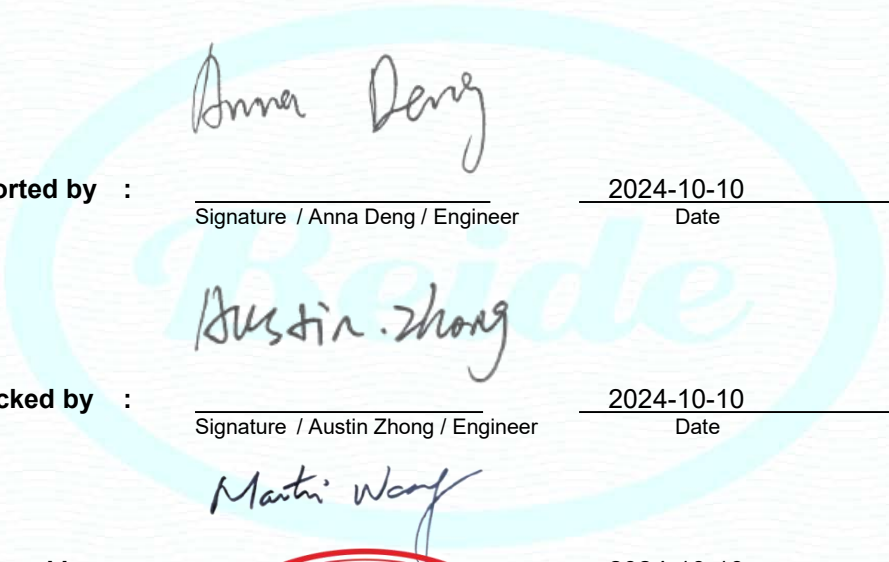
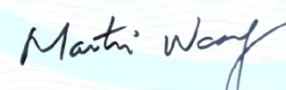
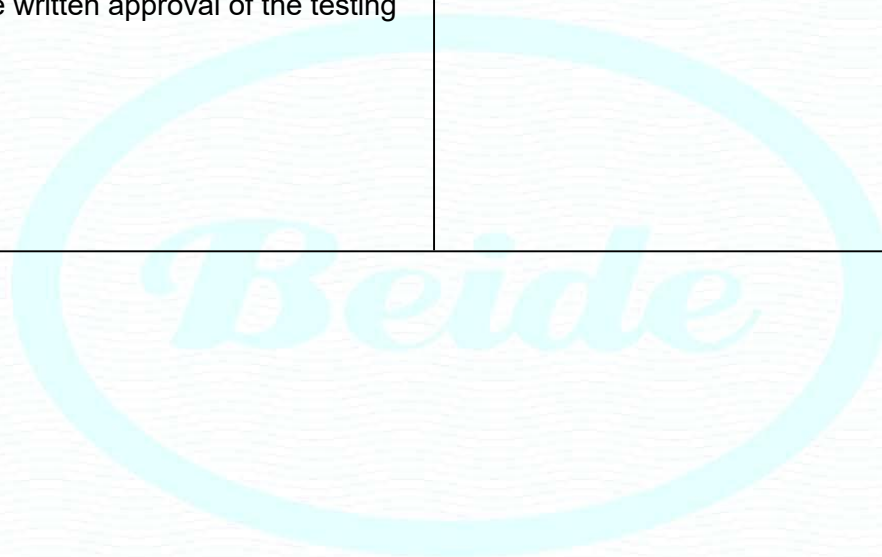


TEST REPORT ISO 4097 Rubber, ethylene-propylene-diene (EPDM) — Evaluation procedure	
Testing laboratory	Beide (Shenzhen) Product Service Limited
Address	6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'an Dist, Shenzhen, China
Report body	Beide (Shenzhen) Product Service Limited
Address	6F, Bldg E, Hourui 3rd Ind Zone, Xixiang, Bao'an Dist, Shenzhen, China
Applicant	Wuxi Aruide Huifu Environmental Protection Technology Co., Ltd.
Address	Pengyao E. P. Science & Technology Park, No. 25 Saite Rord, Gaocheng Town, Yixing City
Client No.....	CC5869
Report Query	
Standard	ISO 4097:2020
Result	Comply with : ISO 4097:2020
Procedure deviation	N.A.
Non-standard	N.A.
Type of verdict object	Tubular microporous aerator series
Brand	N.A.
Test model	ARUI-TMA-DN65*500
Model list.....	ARUI-TMA-DN65*500~1500 series
Manufacturer	Wuxi Aruide Huifu Environmental Protection Technology Co., Ltd.
Address	Pengyao E. P. Science & Technology Park, No. 25 Saite Rord, Gaocheng Town, Yixing City
Date of test.....	2024-09-23 to 2024-10-10

Possible case verdicts :	
Test case does not apply to the test object or test case was not evaluated	N (.A.)
Test object does meet the requirement	P(ass)
Test object does not meet the requirement.....	F(ail)
Name and address of the testing laboratory:	
<u>Beide (Shenzhen) Product Service Limited</u> <u>6F, Bldg E, Hourui 3rd Ind Zone, Xixiang,</u> <u>Bao'an Dist, Shenzhen, China</u>	
	
Reported by :	 Signature / Anna Deng / Engineer 2024-10-10 Date
Checked by :	 Signature / Austin Zhong / Engineer 2024-10-10 Date
Approved by :	 Signature / Martin Wang / Manager 2024-10-10 Date
	

General remarks:	
"(see remark #)" refers to a remark appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a comma is used as the decimal separator. The test results presented in this report relate only to the object tested. This report shall not be reproduced except in full without the written approval of the testing laboratory.	Attached with: Appendix A: Photo-documentation



ISO 4097			
Clause	Requirement – Test	Result - Remark	Verdict
5	Physical and chemical tests on raw rubber		P
5.1	Mooney viscosity		P
	Determine the Mooney viscosity in accordance with ISO 289-1, on a test portion prepared as indicated in 4.2 (without massing).		P
	Record the result as ML(1+4) at 125 °C unless another test temperature (100 °C or 150 °C) and/or test time (1+8) min has been agreed by the interested parties.	125 °C	P
5.2	Volatile matter		P
	Determine the volatile matter content in accordance with ISO 248-1 or ISO 248-2.		P
5.3	Ash		P
	Determine the ash in accordance with either method A, or method B, or method C of ISO 247-1:2018, or method A of ISO 247-2:2018.		P
6	Preparation of test mixes for evaluation		P
6.1	Standard test formulations		P
6.2	Equipment and procedure		P
6.3	Mixing procedures		P
7	Evaluation of vulcanization characteristics by a curemeter test		P
7.1	Using an oscillating-disc curemeter		P
7.2	Using a rotorless curemeter		P
8	Evaluation of tensile stress-strain properties of vulcanized test mixes		P
	Vulcanize sheets at 160 °C for three periods chosen from a cure series of 10 min, 20 min, 30 min, 40 min, and 50 min. The middle vulcanization time shall be chosen from the above list to be nearest to t' c (90). The three periods of cure shall be chosen to cover undercure, optimum cure, and overcure of the material under test.	160 °C, 10min, 30min, 50min	P
	Condition the vulcanized sheets for 16 h to 96 h at a standard temperature, and if possible a standard humidity, defined in ISO 23529.		P
	Measure the stress-strain properties in accordance with ISO 37.		P

ISO 4097			
Clause	Requirement – Test	Result - Remark	Verdict
9	Precision		P
10	Test report		P
	The test report shall include the following: a) a reference to this document, i.e. ISO 4097:2020; b) all details necessary for the identification of the sample; c) the time and temperature used for the Mooney viscosity determination, and whether a massing procedure was used (and, if so, the parameters); d) the method used for the ash determination (method A, or method B or method C of ISO 247-1:2018, or method A of ISO 247-2:2018); e) the standard test formulation used; f) the reference materials used; g) the mixing procedure used in 6.3; h) the conditioning times used in 6.3.2.2 j), or 6.3.2.3.1 g) and 6.3.2.3.2 i), or 6.3.2.4.1 g) and 6.3.2.4.2 g), or 6.3.3 j; i) for Clause 7: — the type of curemeter used, — the reference standard, and — the time for M H or F max , — the amplitude of oscillation used for the curemeter test; j) the vulcanization periods used in Clause 8; k) any unusual features noted during the determination; l) any operation not included in this document or in the international standards to which reference is made, as well as any operation regarded as optional; m) the results and the units in which they have been expressed; n) the date of the test.		P

APPENDIX A
Photo-documentation

Photo 1

View:

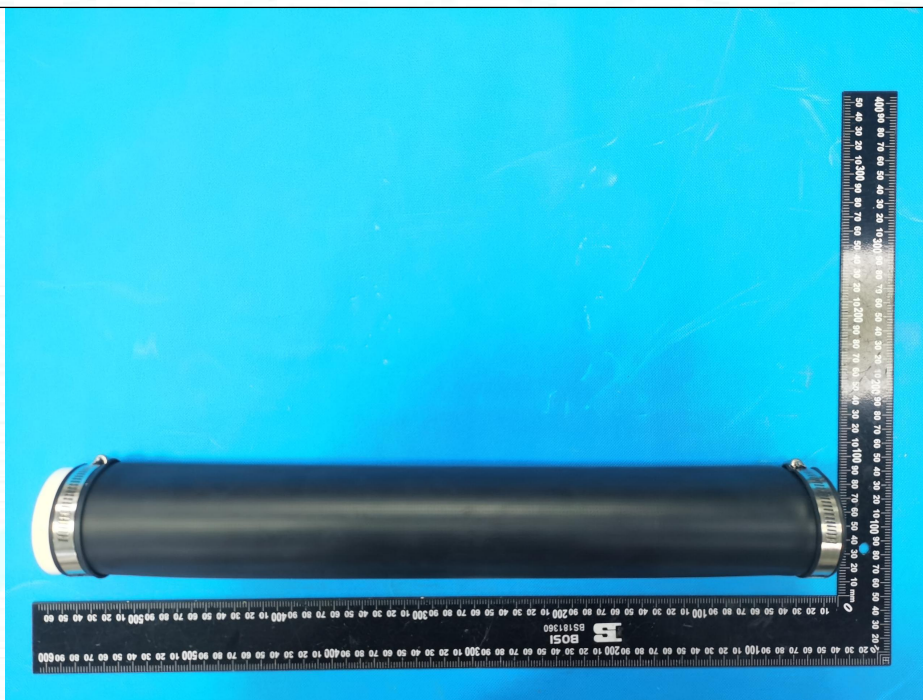


Photo 2

View:

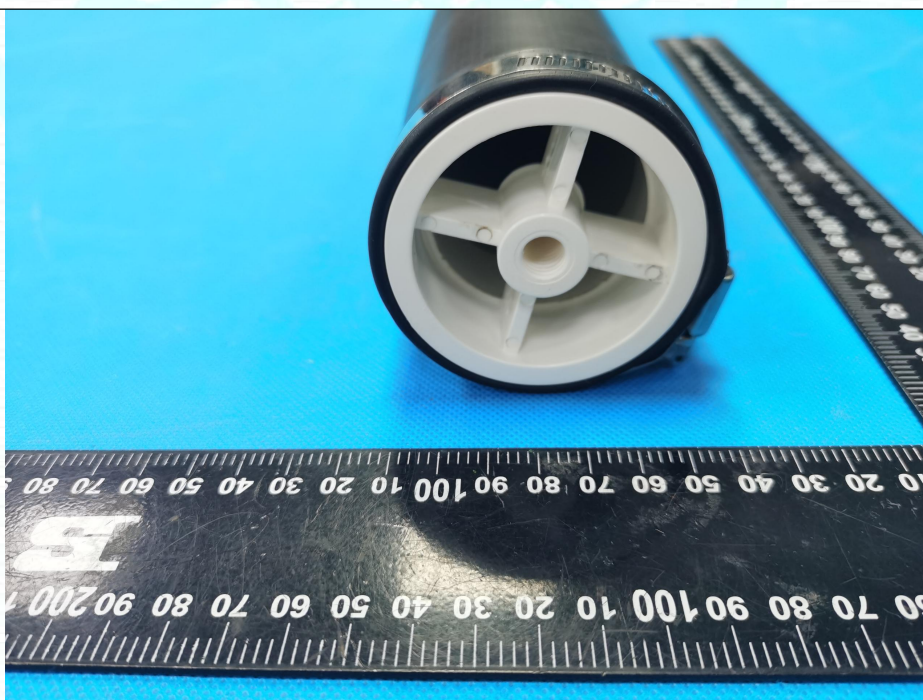


Photo 3

View:

