

225sq. 45H Hinged Cover-(A15-5 ton)

AQuality

東恒測試顧問有限公司

AQUALITY TESTCONSULT LIMITED

香港新界粉嶺坪輦路啟芳園 11A及B 號

NO.11A&B, KAI FONG GARDE N, PING CHE ROAD, FANLING, N.T., HONG KONG

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TEST REPORT

PERMANENT SET & LOADING TEST OF MANHOLE COVERS, GULLY GRATINGS

BS EN 124-1 : 2015

Customer Code : C120
Date of Received : 09-April-2021
Date of Test : 17-April-2021

Report No. : 210409MA-25P
Date of Report : 23-April-2021
Pages : 1 of 1

*Customer & Sample Information

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, N.T., HK
Project : -
Sample Description : 225 x 225 clear opening x 45(H) Cast Iron Hinged Cover with Frame (Reinforce)
Supplier : Cheung Hing Foundry (HK) Limited
Classification : A15
Clear Opening : 225mm
Clear Area : -

Laboratory Information

Test Location : Ping Che Main Lab.

Ambient Temperature : 24.5 °C

Test Results

Lab. Sample I.D.	210409MA-25P/
*Customer Sample I.D.	-
Size of Test Block (mm)	150
Permanent Set	-
Applied Load (2/3 of Applied Test Load) (mm)	-
Measured Permanent Set (mm)	-
Loading Test	-
Applied Load (Maintained for 30 sec.) (kN)	50.31
Cracks Width (mm)	-
^Observation	NCF
Compliance	-
^ Legend	
FAC	- Fracture of Cover / Grating
FAF	- Fracture at Frame
NCF	- No Visible Fracture

Remarks :

1. * Information provided by customer.
2. The results relate only to the items tested.
3. Test results apply to the sample as received.
4. Manufacturer: Cheung Hing Foundry (HK) Limited, Country of Origin : China, Brand : CHH.
5. The test load was requested by customer at 50kN.

Approved By :

☐ LEE Mei Yee, Julia (Managing Director)
☐ CHAN Leung Chor, Dennis (Senior Manager)
☒ WU Cheuk Kit (Operation Manager)

- End of Report-

MAN-P-001aR

Issue No.1 on 18 March 2021

225sq. 45H Hinged Grating-(A15-5ton)

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TEST REPORT

PERMANENT SET & LOADING TEST OF MANHOLE COVERS, CULLEY GRATINGS

BS EN 124-1 : 2015

Customer Code : C120
Date of Received : 09-April-2021
Date of Test : 17-April-2021

Report No. : 210409MA-24P
Date of Report : 23-April-2021
Pages : 1 of 1

Customer & Sample Information

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, N.T., H.K.
Project : -
Sample Description : 225 x 225 clear opening x 45(H) Cast Iron Hinged Grating with Frame (Reinforce)
Supplier : Cheung Hing Foundry (HK) Limited
Classification : A15
Clear Opening : 225mm
Clear Area : -

Laboratory Information

Test Location : Ping Che Main Lab.

Ambient Temperature : 24.5 °C

Test Results

Lab. Sample I.D.	210409MA-24P-1
*Customer Sample I.D.	-
Size of Test Block (mm)	150
Permanent Set	
Applied Load (2/3 of Applied Test Load) (mm)	-
Measured Permanent Set (mm)	-
Loading Test	
Applied Load (Maintained for 30 sec.) (kN)	50.44
Cracks Width (mm)	-
^Observation	NCF
Compliance	-
^ Legend	
FAC	- Fracture at Cover / Grating
FAF	- Fracture at Frame
NCF	- No Visible Fracture

Remarks :

1. * Information provided by customer.
2. The results relate only to the items tested.
3. Test results apply to the sample as received.
4. Manufacturer: Cheung Hing Foundry (HK) Limited, Country of Origin: China, Brand: CHE
5. The test load was requested by customer at 50kN.

Approved by :

- ☐ LEE Mei Yee, Julia (Managing Director)
☐ CHAN Leung Chor, Dennis (Senior Manager)
☒ WU Cheuk Kit (Operation Manager)

- End of Report -

MAN-P-01aR

Issue No.1 on 18 March 2021

300sq. 50H Hinged Cover-(A15-3 ton)

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AQUALITY TESTCONSULT LIMITED

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TEST REPORT

PERMANENT SET & LOADING TEST OF MANHOLE COVERS, GULLY GRATINGS

BS EN 124-1 : 2015

Customer Code : C120
Date of Received : 09-April-2021
Date of Test : 06-May-2021

Report No. : 210409MA-29P
Date of Report : 20-May-2021
Pages : 1 of 1

*Customer & Sample Information

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, N.T., HK
Project : -
Sample Description : 300 x 300 clear opening x 50 (H) Cast iron Hinged Cover with Frame (Reinforce)
Supplier : Cheung Hing Foundry (HK) Limited
Classification : A15
Clear Opening : 300mm
Clear Area : -

Laboratory Information

Test Location : Ping Che Main Lab.

Ambient Temperature : 26.6 °C

Test Results

Lab. Sample I.D.	210409MA-29P/
*Customer Sample I.D.	-
Size of Test Block (mm)	150
Permanent Set	
Applied Load (2/3 of Applied Test Load) (mm)	-
Measured Permanent Set (mm)	-
Loading Test	
Applied Load (Maintained for 30 sec.) (kN)	30.55
Cracks Width (mm)	-
^Observation	NCF
Compliance	-
^ Legend	
FAC	- Fracture of Cover / Grating
FAF	- Fracture at Frame
NCF	- No Visible Fracture

Remarks :

1. * Information provided by customer.
2. The results relate only to the items tested.
3. Test results apply to the sample as received.
4. Manufacturer: Cheung Hing Foundry (HK) Limited, Country of Origin : China, Brand : CHF.
5. The test load was requested by customer at 30 kN.

Approved by

☐ LEE Mei Yee, Julia (Managing Director)
☐ CHAN Loring Chor, Dennis (Senior Manager)
☒ WU Cheuk Kit (Operation Manager)

- End of Report -

MAN-P-001aR

Issue No.1 on 18 March 2021

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TEST REPORT

PERMANENT SET & LOADING TEST OF MANHOLE COVERS, CULLY GRATINGS

BS EN 124-1 : 2015

Customer Code : C120
Date of Received : 09-April-2021
Date of Test : 06-May-2021

Report No. : 210409MA-28P
Date of Report : 20-May-2021
Pages : 1 of 1

Customer & Sample Information

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, N.T., HK
Project : -
Sample Description : 300 x 300 clear opening x 50 (H) Cast Iron Hinged Grating with Frame (Reinforce)
Supplier : Cheung Hing Foundry (HK) Limited
Classification : A15
Clear Opening : 300mm
Clear Area : -

Laboratory Information

Test Location : Ping Che Main Lab.

Ambient Temperature : 26.8 °C

Test Results

Lab. Sample I.D.	210409MA-28P/
*Customer Sample I.D.	-
Size of Test Block (mm)	150
Permanent Set	
Applied Load (2/3 of Applied Test Load) (mm)	-
Measured Permanent Set (mm)	-
Loading Test	
Applied Load (Maintained for 30 sec.) (kN)	30.83
Cracks Width (mm)	-
^Observation	NCF
Compliance	-
^ Legend	
FAC	- Fracture at Cover / Grating
FAF	- Fracture at Frame
NCF	- No Visible Fracture

Remarks :

- * Information provided by customer.
- The results relate only to the items tested.
- Test results apply to the sample as received.
- Manufacturer: Cheung Hing Foundry (HK) Limited, Country of Origin : China, Brand : CHF.
- The test load was requested by customer at 30 kN.

Approved by :

☐ LEE Mei Yee, Julia (Managing Director)
☐ CHAN Leung Chor, Dennis (Senior Manager)
☒ WU Cheuk Kit (Operation Manager)

- End of Report -

MAN-P-001aR

Issue No.1 on 18 March 2021

400sq.102H Hinged Grating-(20 ton)

CASTCO**佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.**

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Test Certificate

Mass Determination and Loading Test to Cast Iron Drainage Goods
(Tested to G.S. for C.E. Works : 2006 : Cl. 5.95(2) and Appendix 5.3)

Date of issue : 23 September 2014

Page 1 of 1 page(s)

Castco JRN : DP0140915-082 MISCEL

Details as supplied by the customer

Customer: Cheung Hing Foundry (HK) Limited

Customer's Ref. No.: --

Address: 299 Pak Shui Tsuen, Kung Um Road, Yuen Long, NT, HK

Contract No.: --

Title: --

Sample Description: 400mm x 102mmH Cast Iron Hinged Grating

Grade: --

Laboratory Test Result

Date received: 15 September 2014

Date tested: 20 September 2014

Dia. of bearing block : 300 mm

Specimen No.	Specimen Description	Grade claimed by customer	Measured mass (kg)	Loading Test (Test load maintained for 30 sec)		
				Test load (kN)	Loading test result (passed/failed)	Observation
DP0140915-082	400mm x 102mmH Cast Iron Hinged Grating	--	--	200	Passed	N/V

Legend :

FC - Fracture at cover.

FF - Fracture at frame.

N/V No visible fracture.

Remarks:-

1. Test result relates only to the specimen tested.
2. Compliance of the test results to the specification is an opinion of the laboratory and is not covered under the HOKLAS accreditation.
3. Test results of the sample comply with the requirement of G.S. for C.E. Works : 2006 : Cl. 5.95(2) and Appendix 5.3.
4. Sample Submitted by: Asia Development (HK) Limited
5. The test load were provided by customer.

Checked by:

SIT KWAN NING
Laboratory Supervisor

Approved Signatory:

WONG KA MAN
Laboratory Manager

End of Report

Form No. PIP MANHOLE_GS_T2 dd 08/10/2010