

TEST REPORT

MECHATECH INDUSTRIES LLC

PULL OUT TEST ON HILLSIDE WASHER

Report date: 06.11.16

Report no.	D16 - 250901-1	Manufacturer	Tuleimat Modern Production Factory - Syria
Project name	Quality Assurance	Sampled by	Client
UAE Client	Mechatech Industries LLC - Dubai UAE	Sampling date/time	02.11.16/ 1000 Hrs.
Customer Ref.	Zamil Steel PO: 8241	Sampling method	Random
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, TYPE X NORMAL	Date/time sample received	02.11.16/ 1100 Hrs.
Sample weight	185g	Date tested	02.11.16
Material specification	Cast Aluminum	Tested by, name/location	MM, ABS/ DXB
Test assembly	Aluminum Hillside Washer 24mm Type X Normal + M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig(Testing Mould)		
		Testing equipment details	
		Model	TUE-C/ 1000
		Serial No.	2004/ 13
		Calibration date.	10/8/16

Results:

Load Nose Failure, kN	55.45
Max. Load Capacity, kN	140.0
Failure Location	Hillside washer



Remarks : None

This report relates only to the sample tested and shall only be reproduced in full and with the written approval of AHS Laboratories.

Joseph Mathew
Head of Physical/Mechanical Dept.

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TEST REPORT

MECHATECH INDUSTRIES LLC

PULL OUT TEST ON HILLSIDE WASHER

Report date: 06.11.16

Report no.	D16 - 250901-2	Manufacturer	Tuleimat Modern Production Factory - Syria
Project name	Quality Assurance	Sampled by	Client
UAE Client	Mechatech Industries LLC - Dubai UAE	Sampling date/time	02.11.16/ 1000 Hrs.
Customer Ref.	Zamil Steel PO: 8241	Sampling method	Random
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, TYPE X NORMAL	Date/time sample received	02.11.16/ 1100 Hrs.
Sample weight	185g	Date tested	02.11.16
Material specification	Cast Aluminum	Tested by, name/location	MM, ABS/ DXB
Test assembly	Aluminum Hillside Washer 24mm Type X Normal + M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig(Testing Mould)		
		Testing equipment details	
		Model	TUE-C/ 1000
		Serial No.	2004/ 13
		Calibration date.	10/8/16

Results:

Load Nose Failure, kN	51.8
Max. Load Capacity, kN	141.0
Failure Location	Hillside washer



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TEST REPORT

MECHATECH INDUSTRIES LLC

PULL OUT TEST ON HILLSIDE WASHER

Report date: 06.04.17

Report no.	D17 - 264133-1	Manufacturer	Tuleimat Modern Production Factory - Syria
Project name	Quality Assurance / CPZPB	Sampled by	Client
UAE Client	Mechatech Industries LLC - Dubai UAE	Sampling date/time	06.04.17/ 0900 Hrs.
		Sampling method	Random
Customer Ref.	Zamil Steel PO: 8983 Rev 2 dt. 15.03.17	Date/time sample received	06.04.17/ 1015 Hrs.
		Mill/ Heat no.	4178705301
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, TYPE X NORMAL	Date tested	06.04.17
		Tested by, name/location	ABS/ DXB
		Testing equipment details	
Sample weight	185g	Model	TUE-C/ 1000
Material specification	Cast Aluminum	Serial No.	2004/ 13
		Calibration date.	10/8/16
Test assembly	Aluminum Hillside Washer 24mm Type X Normal + M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig(Testing Mould)		

Results:

Load Nose Failure, kN	46.5
Max. Load Capacity, kN	165.5
Failure Location	Hillside washer



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TEST REPORT

MECHATECH INDUSTRIES LLC

PULL OUT TEST ON HILLSIDE WASHER

Report date: 06.04.17

Report no.	D17 - 264133-2	Manufacturer	Tuleimat Modern Production Factory - Syria
Project name	Quality Assurance / CPZPB	Sampled by	Client
UAE Client	Mechatech Industries LLC - Dubai UAE	Sampling date/time	06.04.17/ 0900 Hrs.
		Sampling method	Random
Customer Ref.	Zamil Steel PO: 8983 Rev 2 dt. 15.03.17	Date/time sample received	06.04.17/ 1015 Hrs.
		Mill/ Heat no.	4178705301
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, TYPE X NORMAL	Date tested	06.04.17
		Tested by, name/location	ABS/ DXB
		Testing equipment details	
Sample weight	185g	Model	TUE-C/ 1000
Material specification	Cast Aluminum	Serial No.	2004/ 13
		Calibration date.	10/8/16
Test assembly	Aluminum Hillside Washer 24mm Type X Normal + M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig(Testing Mould)		

Results:

Load Nose Failure, kN	58.5
Max. Load Capacity, kN	172.5
Failure Location	Hillside washer



Remarks : None

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Joseph Mathew
Head of Physical/Mechanical Dept.

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TEST REPORT

MECHATECH INDUSTRIES LLC**CHEMICAL ANALYSIS OF HILLSIDE WASHER**

Report date: 12.04.17

Report no.	D17 – 264133-2A	Manufacturer	Tuleimat Modern Production Factory - Syria
Project name	Quality Assurance / CPZPB	Sampled by	Client
UAE Client	Mechatech Industries LLC – Dubai UAE	Sampling date/time	06.04.17/ 0900 Hrs.
		Sampling method	Random
Customer Ref.	Zamil Steel PO: 8983 Rev 2 dt. 15.03.17	Date/time sample received	06.04.17/ 1015 Hrs.
		Mill/ Heat no.	4178705301
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, TYPE X NORMAL	Date tested	09.04.17 – 12.04.17
		Tested by, name/location	SP/ AUH
		Test method	ASTM E34, ICP OES
Sample weight	185g	Testing equipment details	
Material specification	Cast Aluminum	Model	Varian – 710-ES

Results:

PARAMETERS	UNIT	RESULTS
Copper (Cu)	% by weight	0.20
Zinc (Zn)	% by weight	0.45
Iron (Fe)	% by weight	0.56
Silicon (Si)	% by weight	0.07
Manganese (Mn)	% by weight	0.10
Magnesium (Mg)	% by weight	0.09
Aluminum(Remainder) (Al)	% by weight	98.53

Remarks: None

Test method variation: None

Sandeep P.K.
For Al Hoty-Stanger Laboratory
CHEM/G/02/02/REV.02



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