

TEST REPORT

MECHATECH INDUSTRIES LLC

PULL OUT TEST ON HILLSIDE WASHER

Report date: 06.11.16

Report no.	D16 – 250901-5	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.	N/A	Sampling method	Random
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm HOLLOW TYPE	Date/time sample received	02.11.16/ 1100 Hrs.
		Date tested	02.11.16
		Tested by, name/location	MM, ABS/ DXB
Sample weight	260g	Testing equipment details	
Material specification	Cast Aluminum	Model	TUE-C/ 1000
		Serial No.	2004/ 13
Test assembly	Aluminum Hillside Washer 24mm Hollow Type +M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig (Testing Mould)	Calibration date.	10/8/16

Results:

Load Nose Failure, kN	72.35
Max. Load Capacity, kN	201.3
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 – 250901-6	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.	N/A	Sampling method	Random
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm HOLLOW TYPE	Date/time sample received	02.11.16/ 1100 Hrs.
		Date tested	02.11.16
		Tested by, name/location	MM, ABS/ DXB
Sample weight	260g	Testing equipment details	
Material specification	Cast Aluminum	Model	TUE-C/ 1000
		Serial No.	2004/ 13
Test assembly	Aluminum Hillside Washer 24mm Hollow Type +M24 Rod + 2 Round Top Washer + Nut Using 45 Deg. Jig (Testing Mould)	Calibration date.	10/8/16

Results:

Load Nose Failure, kN	89.85
Max. Load Capacity, kN	190.9
Failure Location	Hillside washer



Remarks : None

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TEST REPORT

MECHATECH INDUSTRIES LLC

CHEMICAL ANALYSIS OF HILLSIDE WASHER

Report date: 06.11.16

Report no.	D16 – 250901-7	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/ 1000Hrs
Customer Ref.	N/A	Sampling method	Random
Sample description as identified by client	ALUMINUM HILLSIDE WASHER 24mm, HOLLOW TYPE	Date/time sample received	02.11.16/ 1100 Hrs.
		Date tested	02.11.16-03.11.16
		Tested by, name/location	SP/ AUH
Sample weight	260g	Test method	ASTM E34, ICP OES
Material specification	Cast Aluminum	Testing equipment details Model	Varian – 710-ES

Results:

PARAMETERS	UNIT	RESULTS
Silicon (Si)	% by weight	0.25
Iron (Fe)	% by weight	0.60
Copper (Cu)	% by weight	0.18
Manganese (Mn)	% by weight	0.30
Chromium (Cr)	% by weight	<0.01
Magnesium (Mg)	% by weight	0.38
Nickel (Ni)	% by weight	<0.01
Zinc (Zn)	% by weight	0.19
Titanium (Ti)	% by weight	<0.01
Cadmium (Cd)	% by weight	<0.01
Aluminum(Remainder) (Al)	% by weight	98.10

Remarks: None

Test method variation: None

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