

DAFTAR PUSTAKA

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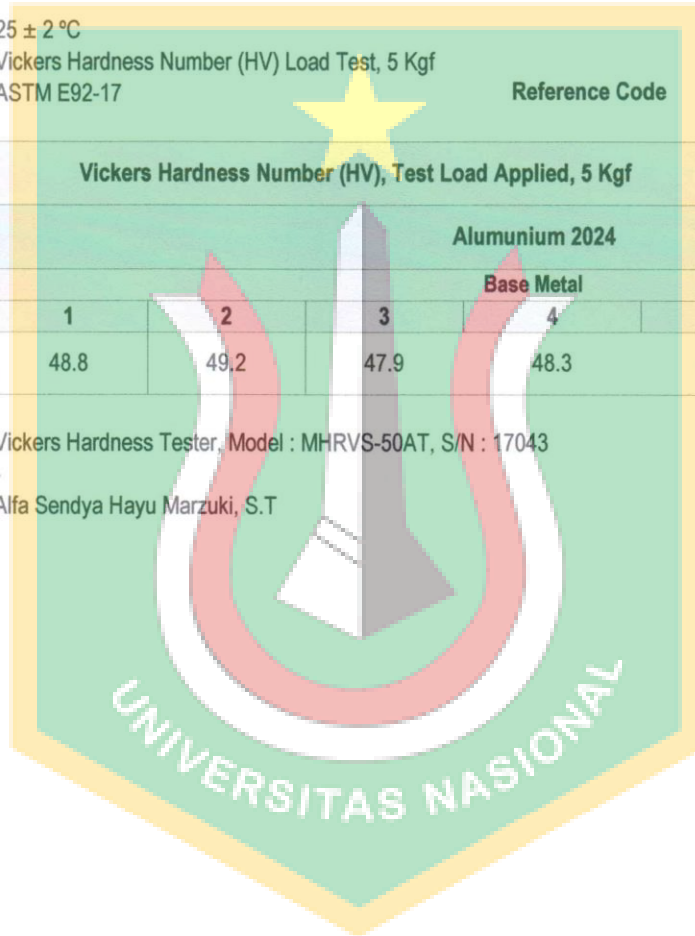
TESTING REPORT

Customer	: M. Almasar Adhila Putro	Total of Page	: 1 of 3
Object to be Tested	: Plate	Date of Tested	: 26-Aug-22
Location of Performance	: PT Detech Profesional Indonesia	Sample Marking	: Plate Al 1.5 mm Thickness

Environment Temp	: 25 ± 2 °C	Reference Code	: -
Type of Test	: Vickers Hardness Number (HV) Load Test, 5 Kgf		
Test Method	: ASTM E92-17		

Vickers Hardness Number (HV), Test Load Applied, 5 Kgf						
Material Specification	Aluminium 2024					
Location	Base Metal					
	1	2	3	4	5	Average
Result	48.8	49.2	47.9	48.3	48.8	48.7

Testing Machine Used	: Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043
Remarks	: -
Test Conducted by	: Alfa Sendya Hayu Marzuki, S.T





TESTING REPORT

Customer : M. Almasar Adhila Putro
Object to be Tested : Plate
Location of Performance : PT Detech Profesional Indonesia

Total of Page : 2 of 3
Date of Tested : 26-Aug-22
Sample Marking : Plate Al 1.5 mm Thickness

Environment Temp : 25 ± 2 °C
Type of Test : Metallography Examination
Test Method : ASTM E407 - 07

Reference Code : -

Sample Identification	Microstructure Photograph
200X	
500X	

Testing Machine Used : Nikon MA-100 Optical Microscope
Remarks : Etch with solution of 3 mL HF + 100 mL Water

Test Conducted by : Alfa Sendya Hayu Marzuki, S.T


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Total of Page : 3 of 3
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Reference Code : -

Sample Identification	Microstructure Photograph
1000X	

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Remarks : Etch with solution of 3 mL HF + 100 mL Water

Test Conducted by : Alfa Sendya Hayu Marzuki, S.T



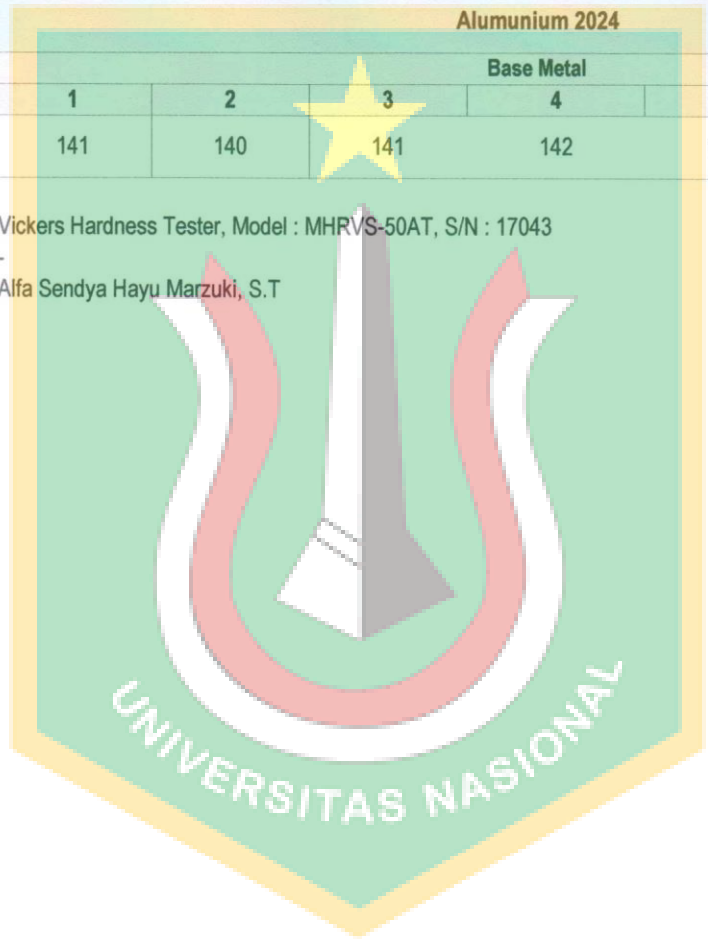
TESTING REPORT

Customer	: M. Almasar Adhila Putro	Total of Page	: 1 of 3
Object to be Tested	: Plate	Date of Tested	: 26-Aug-22
Location of Performance	: PT Detech Profesional Indonesia	Sample Marking	: Plate Al 2.5 mm Thickness

Environment Temp	: 25 ± 2 °C	Reference Code	: -
Type of Test	: Vickers Hardness Number (HV) Load Test, 10 Kgf		
Test Method	: ASTM E92-17		

Vickers Hardness Number (HV), Test Load Applied, 10 Kgf						
Material Specification	Aluminium 2024					
Location	Base Metal					
Result	1	2	3	4	5	Average
	141	140	141	142	143	141.4

Testing Machine Used	: Vickers Hardness Tester, Model : MHRVS-50AT, S/N : 17043
Remarks	: -
Test Conducted by	: Alfa Sendya Hayu Marzuki, S.T



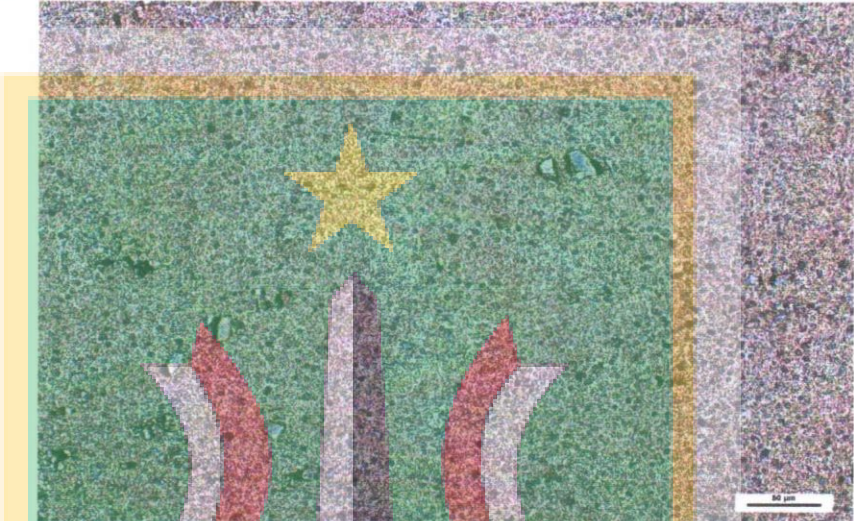

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Total of Page : 2 of 3
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200X	
500X	

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Test Conducted by : Alfa Sendya Hayu Marzuki, S.T

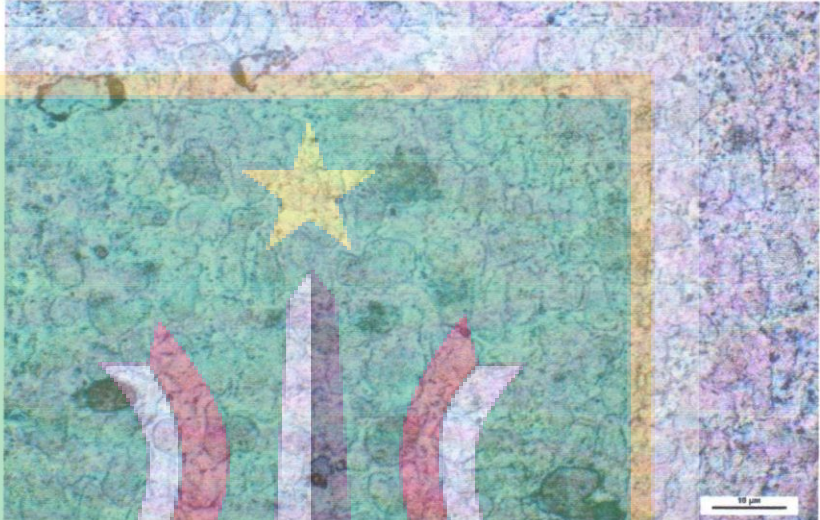
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Total of Page : 3 of 3
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Sample Identification	Microstructure Photograph
1000X	

Testing Machine Used : Nikon MA-100 Optical Microscope
Remarks : Etch with solution of 3 mL HF + 100 mL Water

Test Conducted by : Alfa Sendya Hayu Marzuki, S.T




```

*****
AUG: 48.7
MIN: 47.9
MAX: 49.2
001 48.8 HV5
D1=435.8 D2=435.8
002 49.2 HV5
D1=434.0 D2=434.0
003 47.9 HV5
D1=439.9 D2=439.5
004 48.3 HV5
D1=438.1 D2=437.7
005 48.8 HV5
D1=437.4 D2=433.9
*****
*****
AUG: 142.1
MIN: 140.0
MAX: 143.0
001 143.0 HV10
D1=358.6 D2=361.4
002 142.0 HV10
D1=361.4 D2=360.7
003 141.0 HV10
D1=362.4 D2=363.8
004 140.0 HV10
D1=363.1 D2=364.0
005 141.0 HV10
D1=361.0 D2=363.9
*****

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Almasar

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