

LABORATORY SERVICE



SCOPE OF TESTING

Analysis / Test Item	Scope	Reference Method
1) Chemical Composition test Optical emission spectrometer	ISO/IEC 17025 :2017 Accreditation No.1682	* In house method : QW-TP-039 based on ASTM E 415-2021
2) Tensile test		* JIS Z 2241 : 2020, * ASTM A 370 : 2021 * TIS 2172 Part 1 : 2013, * TIS 2223 : 2015 * TIS 2012 : 2015, * TIS 2140 : 2017
3) Rockwell hardness test (Scale HRBW, HR30TW)		* JIS Z 2245 : 2021, * ASTM E 18 : 2020 * ISO 6508-1 : 2016, * TIS 2223 : 2015 * TIS 2171 Part 1-2012, * TIS 2012 : 2015
4) Vickers hardness test (Scale HV5)		* JIS Z 2244-1 : 2020, * ISO 6507-1 : 2018 * TIS 2169 Part 1:2012, * TIS 2223 : 2015
5) Bending test		* JIS Z 2248 : 2014, * TIS 2173 : 2012
6) Test Report		Thai language version English language version
7) r - Value test	TCRSS standard control	* In house method
8) Erichsen test		
9) Roughness meter		
10) Oil volume		
11) Hoop Strength		
12) Chemical composition test		
13) Microstructure test		
14) Orange peel test		