

## TENSILE TEST REPORT

<b>Customer</b>	<b>Ajax Foundry</b>
<b>Customer Address</b>	Crn Day & Fariola street, Silverwater, NSW, 2128.
<b>Requested By</b>	Mohammad Ashraf
<b>Purchase Order</b>	40007
<b>Accredited Laboratory</b>	LMATS Sydney Laboratory
<b>Report Number</b>	LS16-1293-09
<b>Test Date</b>	05/12/16
<b>Job Description</b>	Ductile iron cast tensile testing
<b>Identification</b>	DI 171016
<b>Material Specification</b>	AS 1831-2007-ISO1083/JS/500-7
<b>Job Location</b>	Unit 1C/137-139 Silverwater Road, Silverwater NSW 2128-LMATs Pty Ltd.
<b>Test Specification</b>	AS 1831-2007-ISO1083/JS/500-7S
<b>Test Method</b>	AS 1391-2007
<b>Test Specimen</b>	Machined along the longitudinal, axial, reduced section
<b>Dimensions (mm)</b>	Ø12.7
<b>C.S. Area (mm<sup>2</sup>)</b>	125.7
<b>Gauge Length (mm)</b>	62.5
<b>Test Personnel</b>	Alireza Hedayati

**Table 1 Tensile Test Results**

Max Force (kN)	Ultimate Tensile Strength (MPa)	0.2% Proof stress (MPa)	Elongation (%)	Reduction of area (%)
88	699	440	10	NA
<b>Requirements</b>	500 min	320 min	7 min	NA

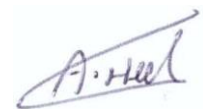
**Fracture Position** The specimen fractured in the central third of the gauge length

**Test Results** The test results **complied** with the specification requirements of AS 1831-2007-ISO1083/JS/500-7S



**Accredited for compliance with ISO/IEC 17025**  
Accreditation Number 15840

**Signatory**



Alireza Hedayati

8/12/2016

All samples will be discarded after 6 weeks, unless requested

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