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Tarbiat Modares University

Faculty of Engineering

ATOMIC ABSORPTION ANALYSIS TEST REPORT

Type Of Material	High Silicon Chromium Cast Iron Anode
Client	Metra Co. (The Selection Of The Testing Sample Has Been Done By The Client) (According To The Request Letter Number S9612/12477)
Date	07 Mar 2018
Report Number	96121601
Sample Code	21893 (LS-9600949)

Chemical Composition			
C	Mn	Si	Cr
0.91 %	0.78 %	14.42 %	4.90 %
Mo	Cu	Fe	
0.05 %	0.13 %	78.81 %	

Acceptance Criteria According To IPS-M-TP-750/1 Standard			
C	Mn	Si	Cr
0.90-1.00 %	1.50 % max.	14.25-14.75 %	4.30-5.00 %
Mo	Cu	Fe	
0.20 % max.	0.50 % max.	Rem.	

Corrosion & Protection Lab
Dr. T. Shahrabi

T. SHAHRAZI
Manager Of Corrosion
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PHYSICAL TEST REPORT

Type Of Material	High Silicon Chromium Cast Iron Anode
Client	Metra Co. (The Selection Of The Testing Sample Has Been Done By The Client) (According To The Request Letter Number S9612/12477)
Date	07 Mar 2018
Report Number	96121602
Sample Code	21893 (LS-9600949)

Physical Properties				
Density (g/cm ³)	Hardness (Brinell)	Compressive Strength (MPa)	Electrical Resistivity (μΩ . cm)	Impact Resistance (J)
7.04	507	661	67	0.32

Acceptance Criteria According To IPS-M-TP-750/1 Standard				
Density (g/cm ³)	Hardness (Brinell)	Compressive Strength (MPa)	Electrical Resistivity (μΩ . cm)	Impact Resistance (J)
7 - 7.05	500 min	650 min	72 max	0.10 min

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