



Customer Name: Loule Va Mashin Sazi Iran  
 Customer Address: Near Of Boutan Company, 1th Km Of Saveh Road  
 Sample Name: Steel with Epoxy Paint Coating  
 Client Reference Number: 010/ص/25810 Laboratory Environmental Conditions: Temperature : 25°C Moisture: 30% Attachments:  
 Sampling was done by the customer.

Order No: 2022/8/17  
 Revision No.: 14511-1  
 Sample(s) Received at: 0  
 Date of Financial Verifying: 2022/7/28  
 Date of Test: 2022/8/6  
 Page: 1 of 4

### Chemical Analysis

According to: BS 6920-2.6 :2014

### Result

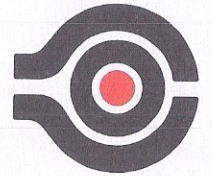
- Result of chemical analysis test:

Element	Concentration (ppm)	Element	Concentration (ppm)	Element	Concentration (ppm)	Element	Concentration (ppm)
Al	<0.2	Cd	<0.002	Cr	<0.05	Fe	<0.01
Mn	<0.002	Ni	<0.002	Pb	<0.01	Sb	<0.005
As	<0.01	Hg	<0.001	B	<0.5	Se	<0.01

### Remarks

- According to the results, the sample conforms "BS 6920-1 : 2014" standard, so its suitable for use in contact with water intended for human consumption .
- Test of B, Se, Hg,As elements was done by ICP-OES.

BS 6920-1 : 2014	Concentration (ppm)	Sb	As	Cd	Cr	Pb	Hg	Ni	Al	Fe	Mn	Se	B
		0.005	0.01	0.005	0.05	0.01	0.001	0.02	0.2	0.2	0.05	0.01	1.0



- Selected as premier laboratory by NTLN in 11 consecutive years
- Certified as research center by MIMT & MSRT
- Selected as premier research center by MIMT for 2015 to 2018
- Approved laboratory by ISIRI, MHME & ED
- Selected as premier laboratory by IHTLN in 5 consecutive years

Expert

Technical Manager

*M. Jafarian*

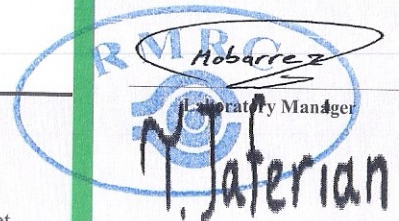
Technical Manager

Report will only be valid with **hologram**. RMRC has no responsibility to verify the sample's name stated by the customers. Test samples will be stored here only for **one month** after the tests.

The above-mentioned results will be valid only for the tested samples. For further information please write to the Laboratory manager. For direct contact with the CEO please call

(021) 4681 5533 or send email to [y\\_jafarian@razi-center.net](mailto:y_jafarian@razi-center.net) Address: No. 8, Fernan St., HajGhasem Asghari Blvd., Shahre Ghods Entrance, 21<sup>th</sup> Km, Karaj Makhous Rd., Tehran, Iran.

Tel: (+98)(21) 6307 Fax: (+98)(21) 46831597 - 46843371 Customer Voice: (+98)(21) 46831568 (+98)(912) 7990870 Website: [www.razi-center.net](http://www.razi-center.net) Email: [info@razi-center.net](mailto:info@razi-center.net)







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 Customer Address: Near Of Boutan Company, 1th Km Of Saveh Road  
 Sample Name: Steel with Epoxy Paint Coating  
 Client Reference Number: 010/ص/25810

Laboratory Environmental Conditions: Temperature: 25°C Moisture: 30% Attachments:  
 Sampling was done by the customer.

Order No: 14511-1  
 Revision No.: 0  
 Sample(s) Received at: 2022/7/28  
 Date of Financial Verifying: 2022/8/6  
 Date of Test: 2022/8/17  
 Page: 2 of 4

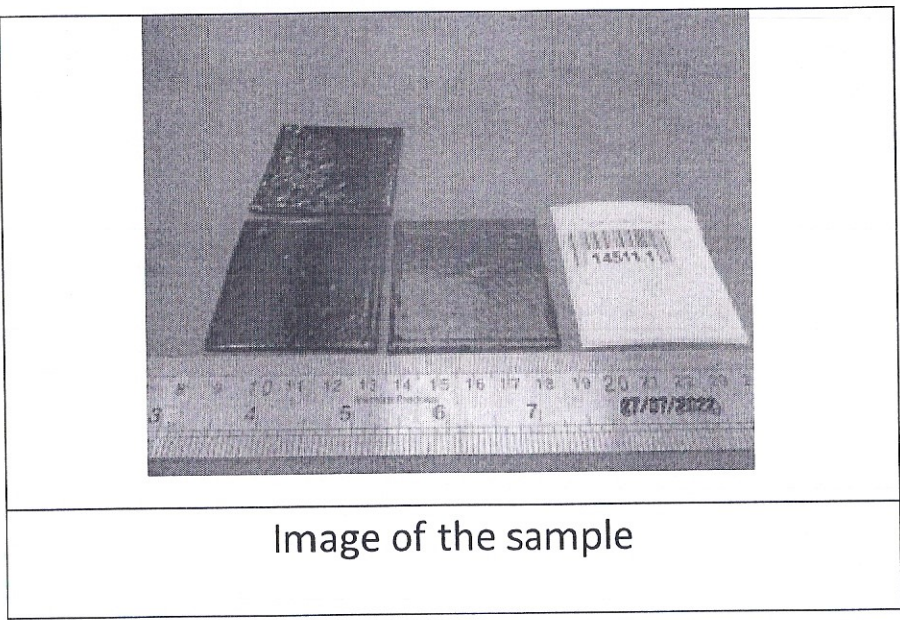


Image of the sample



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Technical Manager

Laboratory Manager  
 M. Jafarian





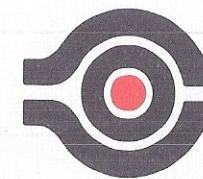
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Order No: 2022/8/17  
 Revision No.: 14511-1  
 Sample(s) Received at: 0  
 Date of Financial Verifying: 2022/7/28  
 Testing End Date: 2022/8/6  
 Page: 3 of 4

### Appearance Of Water

Result of chemical analysis test:

Extract	Test Rsample effect	Blank		Test Reference Standard
		Blank	Extract	
Color (mg Pt/L)	None	<5	<5	BS 6920-2.3
Turbidity (FNU)	None	<0.5	<0.5	BS 6920-2.3



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 Customer Address: Near Of Boutan Company, 1th Km Of Saveh Road  
 Sample Name: Steel with Epoxy Paint Coating  
 Client Reference Number: 010/ص/25810 Laboratory Environmental Conditions: Temperature : 25°c Moisture: 30% Attachments:  
 Test was performed under the scope of ISO/IEC17025 standard. Sampling was done by the customer.

Order No: 2022 1451  
 Revision No.: 0  
 Sample(s) Received at: 2022  
 Date of Financial Verifying: 2022  
 Date of Test: 2022  
 Page: 4 of 4

**Thickness, SEM**

Sample preparation: transverse section  
 Test Scope: RMRC-WI-550-105

Result of coating layer thickness on the both sides of sample, SEM:

SIDE 1:

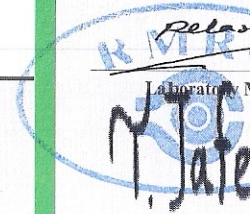
Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)
1	100.14	2	99.49	3	101.78	-	-	-	-

SIDE 2:

Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)	Row	Layer Thickness (µm)
1	106.03	2	107.34	3	106.69	-	-	-	-

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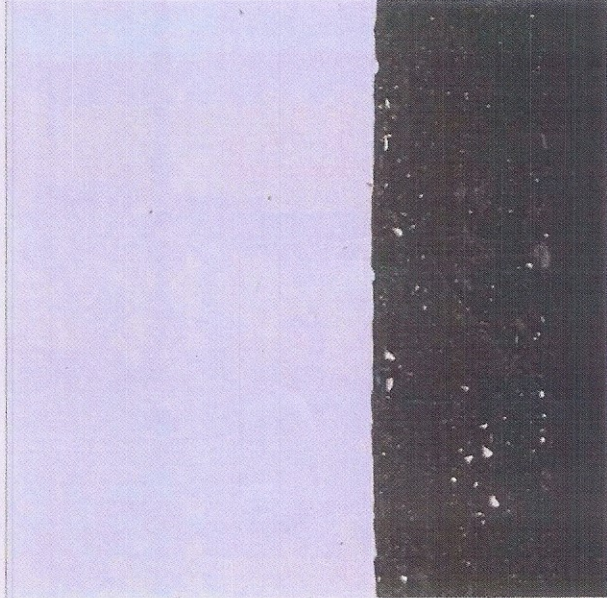
Expert  
 Technical Manager



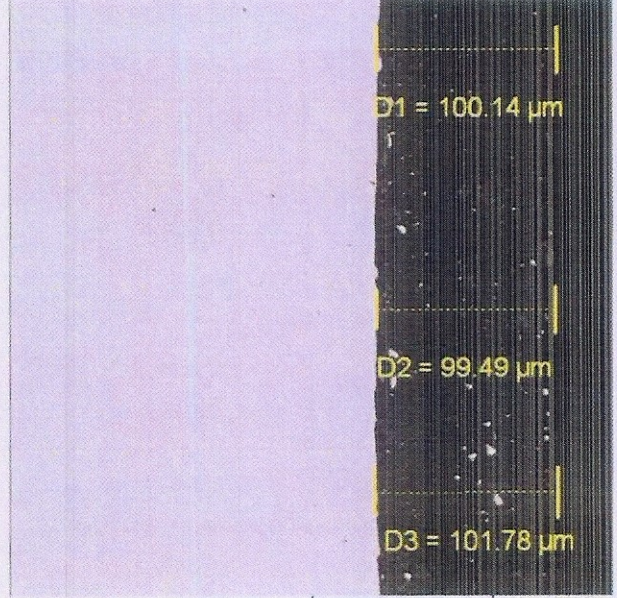


Order No: 14511-1

SIDE 1

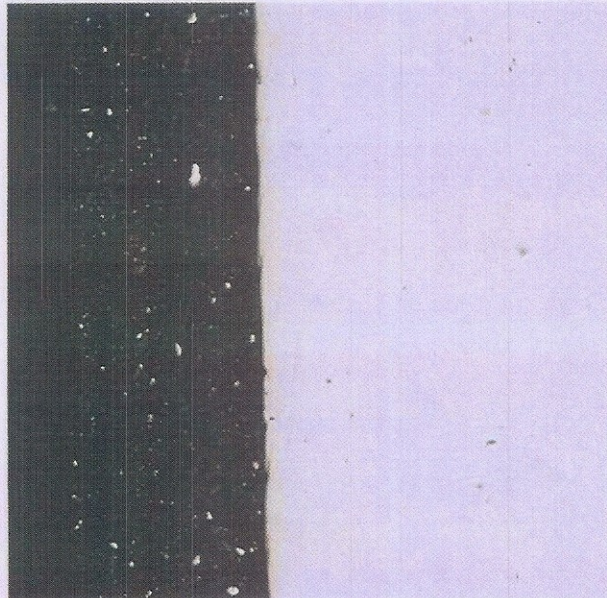


SEM MAG: 300 x WD: 11.57 mm  
 SEM HV: 20.00 kV Det: BSE  
 Date(m/d/y): 08/16/22 Vac: HiVac  
 VEGAII TESCAN RAZI

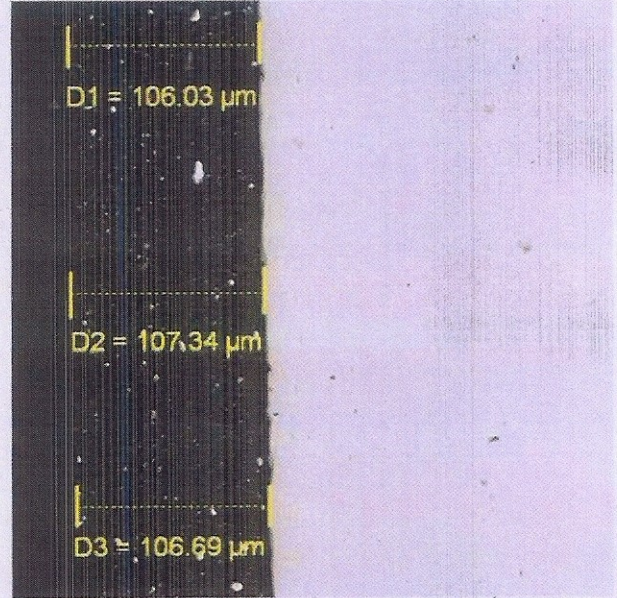


SEM MAG: 300 x WD: 11.57 mm  
 SEM HV: 20.00 kV Det: BSE  
 Date(m/d/y): 08/16/22 Vac: HiVac  
 VEGAII TESCAN RAZI

SIDE 2



SEM MAG: 300 x WD: 11.43 mm  
 SEM HV: 20.00 kV Det: BSE  
 Date(m/d/y): 08/16/22 Vac: HiVac  
 VEGAII TESCAN RAZI



SEM MAG: 300 x WD: 11.43 mm  
 SEM HV: 20.00 kV Det: BSE  
 Date(m/d/y): 08/16/22 Vac: HiVac  
 VEGAII TESCAN RAZI

