



Customer Name: Loule Va Mashin Sazi Iran  
 Customer Address: Near Of Boutan Company, 1th Km Of Saveh Road  
 Sample Name: cement mortar ductile iron pipe  
 Client Reference Number: 010/ص/25698

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

Order No: 12705-1  
 Revision No.: 0  
 Sample(s) Received at: 2022/7/12  
 Date of Financial Verifying: 2022/7/26  
 Date of Test: 2022/8/6  
 Page: 1 of 2

### 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      | 0.007               | Ni      | 0.005               | 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.

|                  |                     | Sb    | As   | Cd    | Cr   | Pb   | Hg    | Ni   | Al  | Fe  | Mn   | Se   | B   |
|------------------|---------------------|-------|------|-------|------|------|-------|------|-----|-----|------|------|-----|
| BS 6920-1 : 2014 | Concentration (ppm) | 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

Laboratory Manager

Mobarrez  
 Laboratory Manager  
 M. Jaferian





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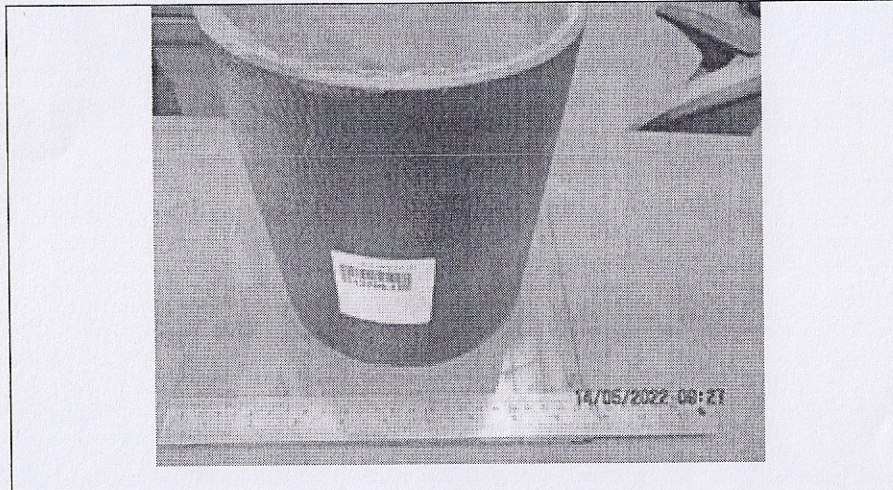


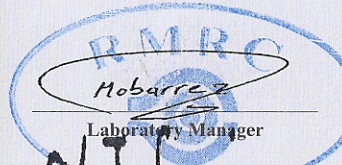
Image of the sample



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M. Jafarian