



# R. V. BRIGGS & CO. PRIVATE LTD.

GOVT. RECOGNISED ANALYTICAL CHEMISTS

ESTABLISHED IN 1900

9, BENTINCK STREET, KOLKATA - 700 001

☎ : 2248 3661/2698/7803, FAX : 33 2248 0447

e-mail : rvbriggs@sify.com

Website : www.rvbriggs.com

## TEST REPORT

SAMPLE SUBMITTED BY PARTY:

No.G(S)/07-08/1

Date : JUNE 4, 2007

Page 1 of 1

Issued to : M/S. KEJRIWAL CASTINGS PVT. LTD.,  
Chatterjee International Centre, 33A, Chowringhee Road, Kolkata-700071

Your ref No. : Letter dt.23.05.2007.

Description of sample : Cement Mortar lined Ductile Iron fittings.

Mark on sample : 100 x 80 Reducer D1

Sample received on : 23.05.2007.

Analysis completed on : 04.06.2007.

EXPERIMENT : Water was kept inside the mortar lined ductile iron fittings for nine days. The same water was analysed before and after the experiment with the analytical findings are as follows :

Sl No	Test parameters	Unit	Result		Maximum allowable concentration as per BS : 6920-1:2000
			Before immersing	After immersing	
1.	Aluminium	µg/l	BDL	BDL	200
2.	Antimony	µg/l	BDL	BDL	5
3.	Arsenic	µg/l	BDL	BDL	10
4.	Barium	µg/l	BDL	BDL	1000
5.	Cadmium	µg/l	BDL	BDL	5
6.	Chromium	µg/l	BDL	BDL	50
7.	Iron	µg/l	BDL	BDL	200
8.	Lead	µg/l	BDL	BDL	25
9.	Manganese	µg/l	BDL	BDL	50
10.	Mercury	µg/l	BDL	BDL	1
11.	Nickel	µg/l	BDL	BDL	20
12.	Selenium	µg/l	BDL	BDL	10

Note : BDL - Below detection limit. Al - 100 µg/l, Sb - 5 µg/l, As - 1 µg/l, Cd - 1 µg/l, Cr - 5 µg/l, Pb - 10 µg/l, Hg - 1 µg/l, Ni - 5 µg/l, Se - 5 µg/l, Fe - 100 µg/l, Mn - 5 µg/l, Ba - 10 µg/l

Remarks : Since there is no migration of toxic elements from the above coated sample of ductile iron fittings to the water kept inside, we conclude that the sample material is fit for potable water transportation as per BS : 6920-1:2000 specification.

Attested

NR-14823

*[Signature]*  
Authorised Signatory  
Indian Chamber of Commerce Kolkata

*[Signature]*  
K.P. DE  
Technical Director  
Authorised signatory

22 JUN 2007

D.P.

- \* The test report shall not be reproduced, except in full, without written approval of the Company.
- \* Results relate only to the parameters tested.





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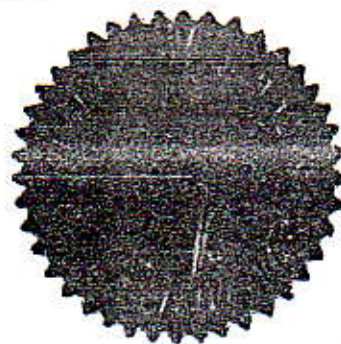
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## TEST REPORT

SAMPLE SUBMITTED BY PARTY:

No.G(S)/07-08/2

Date : JUNE 4, 2007

Page 1 of 1

Issued to : M/S. KEJRIWAL CASTINGS PVT. LTD.,  
Chatterjee International Centre, 33A, Chowringhee Road, Kolkata-700071  
Your ref No. : Letter dt.23.05.2007.  
Description of sample : Cement Mortar lined Ductile Iron fittings.  
Mark on sample : 200 x 100 Reducer D1  
Sample received on : 23.05.2007.  
Analysis completed on : 04.06.2007.

EXPERIMENT : Water was kept inside the mortar lined ductile iron fittings for nine days. The same water was analysed before and after the experiment with the analytical findings are as follows :

Sl No	Test parameters	Unit	Result		Maximum allowable concentration as per BS : 6920-1:2000
			Before immersing	After immersing	
1.	Aluminium	µg/l	BDL	BDL	200
2.	Antimony	µg/l	BDL	BDL	5
3.	Arsenic	µg/l	BDL	BDL	10
4.	Barium	µg/l	BDL	BDL	1000
5.	Cadmium	µg/l	BDL	BDL	5
6.	Chromium	µg/l	BDL	BDL	50
7.	Iron	µg/l	BDL	BDL	200
8.	Lead	µg/l	BDL	BDL	25
9.	Manganese	µg/l	BDL	BDL	50
10.	Mercury	µg/l	BDL	BDL	1
11.	Nickel	µg/l	BDL	BDL	20
12.	Selenium	µg/l	BDL	BDL	10

Note : BDL - Below detection limit. Al - 100 µg/l, Sb - 5 µg/l, As - 1 µg/l, Cd - 1 µg/l, Cr - 5 µg/l, Pb-10 µg/l, Hg-1 µg/l, Ni -5 µg/l, Se-5 µg/l, Fe - 100 µg/l, Mn - 5 µg/l, Ba - 10 µg/l

Remarks : Since there is no migration of toxic elements from the above coated sample of ductile iron fittings to the water kept inside, we conclude that the sample material is fit for potable water transportation as per BS : 6920-1:2000 specification.

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