

Environmental Monitoring Service

Testing and research laboratory for water, soil and food products

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Test Report

Customer name: Affordable Water
Solutions, Auroville.
Nature of sample: Spiked water
Sample ID: Emergency Water Purifier
sachets

Sample collected: 26/09/2020
Analysis completed: 28/09/2020
Sample collected: by lab person
Lab ID: 302/3

Objective: To check removal rater for the iron, arsenic and mercury.

Procedure: 10 L stabilized tap water having TDS 182 mg/l and pH 6.5, is spiked with Iron 5 mg/l, Arsenic 700 µg (350 µg As₃ + 350 µg As₅) and Mercury 1000 µg, was treated with Emergency Water Purifier sachet (mixing time 1 min with 150 rpm). After 30 minutes sample was collected and check for removal rate.

Sl. No.	Parameters	Before treatment	After treatment		Method of testing
			Result	Removal %	
1.	Iron	5.0 mg/l	< 0.1 mg/l	98.0	3500-Fe B, APHA 23 rd 2017
2.	Arsenic	700 µg/l	< 2.0 µg/l	99.7	3112 B, APHA 23 rd 2017
3.	Mercury	1000 µg/l	< 2.0 µg/l	99.8	3114, APHA 23 rd 2017

Analyst



Lab executive

