

Tabbin Institute for metallurgical studies (TMS)

ISO  
9001 -2000

***Exhaust Stack Report***  
***For***  
***AQUAMISR***

**October, 2016**

## *Team Work*

|                                |   |
|--------------------------------|---|
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| Chem. \ Samier Hammad          | General Manager of Central Lab.   |
| Chem. \ Ragab Abdel Khalik     | Head of the Air Pollution Lab,<br>CLIPS. Accredited consultant in<br>Environment measurement. |
| Chem. \ Ashraf Gar El Nabi     | Air pollution Lab. Specialist   |



## Introduction

According to the contract between *Aquamisr and Tabbin Institute for Metallurgical Studies (TIMS)* to execute Exhaust Stack emissions Measurement from the New Filters for Peter Pumps ( Exhaust Fan filter in packing area factory (2)) at *Tourah Cement Company*, TIMS team work had conducted these measurement in October, 2016.

### ⇒ *Measurements*

⇒ The following parameters were measured from stacks of exhaust fan filter in packing area.

1. Concentration of dust emissions from stacks.

### ⇒ *The Use Equipment*

1. Exhaust stacks emissions from stacks of exhaust fan filter in packing area factory (2):

- Universal Stack sampler. USA
- Sampling method : Isokinetic measurement  
EPA method No. 5 dust emission



Table (1)  
Exhaust Stack Emission

Company Name : AQUAMISR  
 Measurements date : 25/10/2016  
 Site Name : Stacks of exhaust fan filter in packing area –  
 Factory 2- Tourah Cement Company

| <i>Parameter</i>   | <i>Unit</i>        | <i>Out let</i> | Maximum permissible limits according to law 4/1994 for Environment protection and its amendments by law No.9/2009 and its executive regulation issued in 1995 and its amendments issued no. 1095/ 2011 & 710/2012& 964/2015 |
|--------------------|--------------------|----------------|---|
| Stack Temperature  | °C                 | 41             | ---   |
| Dust concentration | mg/Nm <sup>3</sup> | 7.80           | 50  |

