**SHAD**

[**SHAD.313284@2freemail.com**](mailto:SHAD.313284@2freemail.com)

**An accomplish professional seeking a position in the Automobile, Steel, aluminum Industry& metallurgical lab, where my skills and rich experience**

**can positively impact the organization’s productivity and growth.**

# Competent, diligent and result oriented professional holding M.Sc. (MATERIALS Chemistry) backed by B.Sc. (H) CHEMISTRY with an experience over 6 years in Research & Development department and metallurgical laboratory work. Currently spearheading as Sr. Chemist with Livgaurd, SAR GROUP OF INDUSTRIES GURGAON

**KEY SKILL**

* Lab management including manpower and process requirements.
* Chemical & metallurgical analysis of in coming& in process samples.
* Standardization & calibration of Lab instruments.
* Quality control in steel as well as aluminium foundry
* Analyze the properties (chemical, mechanical and metallurgical) of initial and final products of all types of metal ferrous as well as non ferrous

**WORKING PROFILE**

**QUALITY TESTING:**

**CHEMICAL TESTING**

* **Chemical analysis –Steel Foundry**

**Spectro Chemist:**

* Job involves Online production analysis of Steel, EAF, LRF and CCM samples through OES ‘Jarellash, ’Polyvac 2000’,‘Angstrom V-950’ GDS-500
* To Spark certified sample with close range as product as control sample  
  If the analysis matches with the certified values and is within the range of acceptability then proceeded for analysis.
* If the control sample analysis is not matching or drift in the results is found then carried out standardization/ recalibration and check the control sample again.
* Carried out production sample analysis by choosing suitable program.  
  Reporting through the available software to the online available and print.
* Routine Maintenance of OES Spark Stand Cleaning, Argon Filter Cleaning, Water change of Filter as per make of required instrument.

**WET ANALYSIS**

* Full chemical analysis of steel by wet analysis { Mn, Si, P, S, Cr, Ni ect}
* Full chemical analysis of **cast iron**
* Full Chemical Analysis of **Iron Oxide, DRI & Ferro alloys**
* **Water analysis** like **pH alkalinity Acidity TDS Chlorides etc**
* **Purity** of **acids (HCL, Sulfuric acid Nitric acid etc)**
* **Purity of Caustic soda & Caustic potash**

**XRF ANALYSIS**

* Analyze Iron Oxide, DRI full analysis through XRF( Rigaku ZSX mini),WDXRF
* Identification of grades of steels from Scrap By Portable XRF
* Full chemical analysis of steels by XRF

**Well know the chemical composition of all grades of steel accourding to AISI,SAE,JIS,EN,DIN & IS**

* **Carbon and Sulphur Analysis by LECO CS-230.**
* **Chemical analysis -non ferrous materials**
* Including all Grades of aluminium [pure Al, Al-Mg alloys,

Al-Zn alloy, Al-Si alloys] by OES

* Including all grades of copper based alloys {brass, bronze and gun metal] by OES
* Including all grades of Zinc alloys by OES

**MECHANICAL TESTING**

* Hardness testing by brinell, Rockwell. Vickers and micro hardness

Tester

**METALLURGICAL TESTING**

* Microstructure study of steels, cast irons, aluminium and its alloys

**INSTRUMENT KNOWLEDGE**

* **Spark Optical emission spectrometers**

1. POLYVAC 2000
2. ANGSTROM V-950
3. GLOW DISCHARGE SPECTRO METER [GDS-500]
4. Jarell ash

* **ATOMIC ABSOBTION SOECTRO METER (perkinelmer)**
* **XRF, PORTABLE XRF (rigaku ZSX mini) WDXRF**
* **IMAGE ANALYSER**
* **CARBON SULPHER ANALYSER [LECO MADE]**

**i**

**CAREER**

* SEP 2009 TO MARCH 2010

AS a chemist in Steel foundry IN Ferrous lab at M/S Shriram Pistons and Rings Ltd.Ghaziabad (U.P.)

* **MARCH 2010 TO MARCH 2015**

AS A SR. CHEMIST IN R&D LAB DEPARTMENT AT SUNBEAM AUTO PVT. LTD. GURGAONPreviously Known as sunbeam casting

* **SINCE MARCH 2015**

AS A Sr. CHEMIST AT **Livgaurd SAR GROUP OF INDUSTRIES GURGAON**

# ACADEMIC QUALIFICATION

# (2009) –M.Sc. in MATERIALS CHEMISTRY

# From JamiaMilliaIslamia University Delhi

# (2007) –B.SC (HON) IN CHEMISTRY

# From JamiaMilliaIslamia University Delhi

# 12th standard from C.B.S.E., Delhi

# 10th standard from C.B.S.E. Delhi

# COMPUTER SKILL

# Ms Office: - (Word, Excel, Power Point &Ms Access)

# Operating System: - Dos, Window 95, 98, 2000, XP.

# Web Techno: - Html and internet

**Current salary-5.5 LACS/- PER ANNUM**

**Expected salary-negotiable**

**Place**: **DELHI** **(SHAD AHMAD)**