PEDIREDDI MANIKANTA

pmk.m.mani@gmail.com

9848899916

DIVILI VILLAGE, NEAR KAKINADA CITY, EAST GODAVARI DISTRICT, ANDHRA PRADESH - 533433, INDIA.

CAREER OBJECTIVE

To work in an environment which encourages me to succeed and grow professionally where I can utilize my skills and knowledge appropriately.

PROFESSIONAL EXPERIENCE

HPCL- MITTAL ENERGY LTD [HMEL], PUNJAB,INDIA

MAY 2021 - Present

LABORATORY ANALYST

•HMEL Refinery has a Refining capacity of 12MMTPA.

• Analysis of all in-process and finished product samples from different units of a petroleum refinery.

•Analysis of petroleum samples like Crude and all hydrocarbon samples by using laboratory instruments.

•The analyzed test results are updated in logbooks and LIMS.

•Following the standard methods like ASTM, IS, UOP, and IP.

VIJAYA ENVIRO LABS, HYDERABAD

SEP 2017 - APR 2021

LABORATORY ANALYST

Analysis of petroleum products like lube oil, fuel oil, greases, and water samples as per the requirement.Testing of these finished oils by using various performance test instruments in the laboratory.

TRIBOCARE OIL TESTING LAB FZC SHARJAH, UAE

FEB 2016 - AUG 2017

LABORATORY ANALYST

Daily lab activities such as Analysis of Crude oil and petroleum products like lube oil, fuel oil, greases & water samples as per the requirement.Testing of these finished oils by using various performance test instruments in the laboratory.

•Testing of instruments by conforming to ASTM standards.

• After completing the analysis, export the data by using LIMS Software

SS Pharma Research Laboratory, Hyderabad

9/6/2014 - 31/12/2015

AR&D - Laboratory Analyst

Daily lab activities such as testing the quality of the finished drug products by using various automatic instruments in the laboratory as well as industry standards and regulations.

Hands-On Experience In The Performance Of Instruments Which Includes

• FTIR- [ASTM E2412]: Condition monitoring of in-service lubricants by trend analysis using Fourier Transform Infrared Spectroscopy.

• ICP-AES- [ASTM D5185]: Determination of additive elements, wear metals, and contaminants in used and unused lube oils and water samples by ICP-AES.

• AUTOMATE DISTILLATION- [ASTM D86]: Determination of the range of boiling points for petroleum products that can be partially or completely vaporized at a maximum liquid temperature of 400°C.

• ED-XRF - [ASTM D4294]:
Determination of sulfur content present in petroleum products (17 ppm to 4.6mass%).

• FLASHPOINT- [PMCC ASTM D93]: Determination of the flashpoint of petroleum products in the temperature range from 40°C to 360°C.

• FLASHPOINT- [COC ASTM D92]:
This test method applies to all petroleum products with flashpoints above 79°C to 400°C except Fuel oils.

• KINEMATIC VISCOSITY - [ASTMD445]:
It is used to determine the kinematic viscosity of petroleum products to flow under gravity at @100°C and 40°C by using the Canon Auto Viscometer.

•Standard Preparations
•Water Sample Analysis
•ICP-AES Spectrometry by Spectro blue & Spectro Arcos
•FT -IR Spectroscopy by Perkin Elmer
•Automate Distillation by PAC & Anton Paar
•UV Spectrophotometer by Shimadzu
•ED-XRF by Ametek
•Oxidation Stability by Anton Paar
• Flash Point by PMCC, ABLE- PAC, SetaFlash, Anton Paar.
•RVP by Analytics
•Density by Anton Paar
•HFRR by PAC
•Salt analysis by Salanometer
•Colour by Saybolt
•Particle Count by PAMAS
•TAN, TBN, Moisture content-by [Metrohm instruments].

PROFESSIONAL CERTIFICATES

•ANDHRA UNIVERSITY- State Eligibility Certificate In Chemistry Department.
•Udemy- Petroleum Refining Course Certificate.

EDUCATIONAL PROFILE

ANDHRA UNIVERSITY
2014 APRIL
M.Sc. ORGANIC CHEMISTRY
8.0 CGPA (DISTINCTION)

ANDHRA UNIVERSITY
2012 MARCH
B.Sc. MATHEMATICS, PHYSICS,CHEMISTRY
6.9 CGPA

BOARD OF INTERMEDIATE EDUCATION, ANDHRA PRADESH
2009 MARCH
INTERMEDIATE - M.P.C
68%

BOARD OF SECONDARY EDUCATION , ANDHRA PRADESH
2007 MARCH
CLASS X
74%

NATURE OF WORK

Analysis of Crude Oil Samples:
Analysis of Crude Oil Samples for Density, Sulfur, TAN, BS&W, Salt in Crude, MCRT, Asphaltene etc as per ASTM Methods.

Analysis of Petroleum Product Samples:
Such as Naphtha, SKO, Hexane, Diesel, Gasoline, MTO, ATF for Density, Sulfur, RVP, Distillation, Colour, Flashpoint, FIA, Oxidation Stability, MCRT, Pour Point, Aniline Point, Freezing Point, HFRR and Copper&Silver Corrosion's as per ASTM, IS, IP, ISO, UOP Methods.

•Analysis of Lube Oil samples by using
FT-IR, ICP-AES, TAN, TBN, Moisture, Density, Viscosity, Flash Point, Pour Point, HFRR, CCS, Aniline Point, Foaming, Oxidation Induction Time, Particle Count, Ash Content for Petroleum Products.

TECHNICAL SKILLS

• Basic knowledge of MS Office.
• Laboratory Information Management System (LIMS) Software.

SKILLS

•Leadership skill •Hard working •Ability to learn and quickly adapt to changing environment •Self-motivated and confident •Strong communication and interpersonal skills.

PERSONAL PROFILE

Father Name : Pedireddi Venkataramana
Date of birth : 24 April 1992
Marital Status : Unmarried
Nationality : Indian
Languages : English, Hindi & Telugu
Passport No : N1357738

DECLARATION

I hereby solemnly declare that all the statements quoted above are true to the best of my knowledge and belief.

Pedireddi Manikanta.