**ABUL K TOHA**

**Winnetka, CA** e-mail:akmtoha@gmail.com (818) 624-1551 (C)

 **RESIDENCY: US CITIZEN**

**Highlights of Qualifications:**

* Highly accomplished leader for **Lab Supervision, Product development, QA, Process control, Technical support, Cost reduction** etc.
* Highly skilled in formulating of **Aerospace Coatings, Industrial coatings** based on **Alkyds, Acrylics, Polyurethane, Epoxy, Polyurea, Polysiloxane, W/B and S/B coatings**.
* **Developed sustain relationships with internal management and employees**, external vendors and clients based on knowledge and trust.
* **Interface between Research and Development and Manufacturing representatives** in order to improve efficiencies in the manufacturing process.
* Establish **product specifications, MSDS, technical data sheets and application guidelines.**

**Accomplishments:**

* **Developed new products** resulting in $500,000 / year increased sales in Ellis, PFI, Dayton, Wilko Paints etc.
* **Reduced cost of raw materials & production operating cost** resulting in $200,000 per year savings.
* Saved $150,000 per year by **developing database for colorant formulations** in Ellis Paint, PFI Inc.
* **Salvaged $150,000** / year returned materials and reprocessed in batches to reduce Waste in Dayton Superior.
* **Increased business by $200,000 per year** by developing new products like Container coating, Direct to Metal (DTM) coating, Fleet finishes, Specialty coatings in Ellis, PFI, Wilko Paint etc.
* **Developed QA methodology** resulting savings $100,000 / year in MOC, Catalina Paint.

**Technical Skills:**

* Expert in Karl Fisher, FT-IR spectrophotometer, Anton par, viscometers, refractive index, compressive strength, conductivity meter, Physical tests for Coatings, Flash point determination etc.
* Ran CS-5 Color Computer, Microsoft Office, Batch Master, make MSDS, Product bulletin and familiar with Wet Chemistry / Analytical tests, and Oracle database.

**Education:**

Master of Science in Applied Chemistry & Chemical Technology, University of Dhaka

**Job Experience:**

**Senior Research and Development Chemist, HIS Coatings, Oklahoma City, Oklahoma 2016 – 2019**

* **Developed Base Coat, Clear Coat and Primer based on MIL-PRF-85825 (Top Coat), MIL-PRF - 23377 (Primer), AMS-3901 for Aerospace.**
* Formulated new products based on Polyurethane, Epoxy, Acrylics, Alkyds, W/B PUD etc**. Applications are in Baking Enamels, Wire coatings, Aerospace Coatings, Tank Liners, Drum Enamels, Container coatings**.
* **Earned 10 million dollar business by introducing new products in the market.**
* Provide **customer application support to develop, document and communicate** best practices for most cost effective use of customers.
* **Troubleshooting, product updating, investigating of field technical service projects.**
* **Assist manufacturing in resolving problems** throughout the manufacturing process

**Senior Chemist, Wilko Paint Inc. Wichita, KS 2013 – 2016**

* Developed new products **OEM and industrial** applications as per specifications. Good formulation knowledge of **epoxy, acrylic, polysiloxane, polyurea, polyurethane, alkyd, lacquers, high temperature silicone coatings, inorganic zinc silicate coatings, unsaturated polyester and epoxy vinyl ester coatings.**
* **Troubleshooting, product updating, investigating** of field technical service projects.
* **Responsible for all new color matches, established color standards.**
* Provide **customer application support** to develop, document and communicate best practices for most **cost effective** use of customers.
* Provide **cost guidance to sales and customers** in support of winning the deal.
* Wrote **SOP** for the Lab. Resume of A. Toha: page 1 of 2

**Consultant / Math, Science Tutor 2008 - 2012**

***Versatile Building Products, Catalina Paint Company, MOC Products*, *California***

* **Developed** **Polyaspartic and Polyurea** coating, **W/B Epoxy and Polyurethane** coating, W/B and S/B Concrete sealer, W/B Epoxy Color Quartz system, working on **UV curable Coating** etc.
* **Supervised QA operation**; coordinated lab works with production, shipping, marketing, inventory

 Control, customer service etc.

* **Developed low cost formulas** and QA protocol for gear oil, power steering fluid, automatic transmission fluid, brake fluid DOT 3 & DOT 4, degreaser, dressings and shampoos for car wash.

 **Formulated special products** for China, Taiwan, Mexico and Latin America.

* **Installed Batch Master** Windows version program for Lab and Manufacturing operation.

**Senior Chemist - *PFI Inc. (paints for industry) Santa Fe Springs , CA* 2006 - 2008**

* Provided **technical service to sales, marketing and customers**, as needed. Visited customer sites for trials or problem solving, as required.
* **Updated and developed** product formulations for VOC compliance for meeting SCAQMD Rule

 1107 and 1125.

* **Analyzed current process systems**, recommend and assist in the implementation of process improvements.
* Worked closely with Federal and State agencies like **EPA, and SCAQMD**.

**Lab Manager - *Dayton Superior Corporation, Long Beach, CA* 2003 - 2006**

* **Updated / developed product** formulations for VOC compliance such as Form Oil Releases, Bond Breakers, Surface Retarders, Silicates, Sealers, Epoxies, Curing Compounds both Wax and Resin Emulsions for CALTRANS, Washington and Arizona DOT etc.
* **In charge of daily operation** of the chemical plant, including preparations of batch tickets, and scaling up of new products.
* **Responsible for technical purchasing** including raw materials and lab equipment, also involved in daily interaction with suppliers and evaluation of new raw materials.
* Prepared **budget requests, select vendors, negotiate contracts, design and implement QA procedures.**
* **Wrote complex technical documents** and reports, prepared daily / weekly manufacturing / lab activities and presented to staff meetings and higher officials in corporate level.

**Research & Development Chemist - *Ellis Paint Company, Los Angeles, CA*****1997 – 2003**

* **Responsibilities included quality and cost control,** writing specs for paint applications to federal standards and Product development of S/B and W/B coating, Polyester coating, 2K Epoxy,2K Urethane, Acrylic, Alkyd, Sealer, Stain, Baking Enamel, Lacquer, and evaluated new raw materials.
* **Responsible for all new color matches, established color standards, database development and maintenance, color system formula development and colorant formulations.**

**Training:**

Successfully completed Coating Technology courses conducted by LASCT.

* Attended a short course on Color Technology sponsored by MINOLTA.
* Completed short course of Minitab Release 14 for Windows Course.

**References:** Available upon request

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