



NAME:	Jesal Patel	DATE:	1/5/2021
LABORATORY:	Houston Forensic Science Center		
JOB TITLE:	Forensic Analyst – Toxicology		

Indicate all disciplines in which you do casework:

<input type="checkbox"/>	Seized Drugs	<input type="checkbox"/>	Forensic Biology/DNA
<input type="checkbox"/>	Crime Scene	<input type="checkbox"/>	Latent Prints
<input type="checkbox"/>	Digital Forensics	<input checked="" type="checkbox"/>	Toxicology
<input type="checkbox"/>	Firearms	<input type="checkbox"/>	Forensic Audio/Video

List all categories or sub-disciplines in which you do casework:

Human Performance Toxicology: Alcohol Analysis
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Texas Forensic Science Commission (TFSC) Licensing

Per TFSC section 651.203, starting January 1, 2019, the following disciplines are subject to licensing: Seized Drugs, Toxicology, Forensic Biology & Firearms/Toolmarks. If applicable, select the type of license issued by TFSC (Select N/A if not applicable):

Type of License:	Toxicologist (Interpretative)
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Certifications:

Organization	Discipline	Type/Level <small>(N/A if not applicable)</small>

Education:

List all higher education institutions attended (list high school if no college degree has been attained)

Institution	Dates Attended	Major	Type of Degree Earned
Marshall University	Aug 2016 – May 2018	Forensic Science	Master's Degree
Middle Tennessee State University	Aug 2012 – May 2016	Forensic Science	Bachelor of Science

Other Training:

List continuing education, workshops, in service, and other formal training received. Please include the course title, source, and dates of training.

<p>American Academy of Forensic Sciences Annual Meetings:</p> <ul style="list-style-type: none"> • New Orleans, LA, 2017 • Seattle, WA, 2018 <p>Certification in Forensic Laboratory Management ISO 17025 Auditor Training, Marshall University Forensic Science Program, (May 2018).</p>



Introduction to Liquid Chromatography-Mass Spectrometry/Mass Spectrometry with applications to Forensic Chemistry, Houston Forensic Science Center (December 3, 12-13, and 17, 2019).
SOFT Workshop: Cannabis Impaired Driving, Society of Forensic Toxicologists, (September 2020).

Courtroom Experience:

List the disciplines/sub-disciplines in which you have testified as an expert witness and indicate over what time period and approximately how many times you have testified in each.

Discipline or Sub-Discipline	Time Period	Times Testified
N/A		

Professional Affiliations:

List any professional organizations of which you are or have been a member. Indicate any office(s) or positions held and the dates of these activities.

Organization	Member Status & Position(s) Held	Dates of Membership
Delta Delta Epsilon	Lifetime Member, President	January 2017- Present
Society of Forensic Toxicologists	Full Member	October 2020-Present

Employment History:

List all scientific or technical positions held, particularly those related to forensic science. List current position first. Be sure to indicate employer and give a brief summary of duties. Please list your dates of employment by month and year.

Job Title:	Forensic Analyst - Toxicology	Dates of Employment:	9/16/2019 – Present
Employer:	Houston Forensic Science Center		
Provide a brief description of duties below:			
Perform alcohol analysis on blood and liquid samples, review analytical data, write technical reports for alcohol, and provide court testimony on results and interpretation for alcohol analysis. Perform technical and administrative review for alcohol reports.			

Job Title:	Analytical Chemist I	Dates of Employment:	6/11/2018 – 8/1/2019
Employer:	Aegis Sciences Corporation		
Provide a brief description of duties below:			
Maintained and operated a wide range of laboratory equipment in order to prepare samples, run tests, and acquire and review data. Monitored and maintained quality of the samples, batches, reagents, and chemicals used. Adhered to all standard operating procedures to perform testing, monitored instrumentation to maximize utility, and confirmed and reported findings for clients within the allotted turnaround time.			



Other Qualifications:

List below any scientific papers authored or co-authored and/or scientific presentations given, research in which you have been involved, academic or teaching positions you have held, and any other information you consider relevant to your qualification as a forensic scientist.

Research Experience:

- Graduate Research, Aegis Sciences Corporation, CRIMES Division (2017) "Detection of Inhalants in Blood by Headspace GC-MS."
- Graduate Research Assistant, Marshall University Forensic Science Center (2016-2018) "Evaluation of potential predictors of neonatal abstinence syndrome and the evaluation of the effectiveness of current testing protocols in neonatal urine samples."

Scientific Presentations:

1. Jesal Patel, "Detection of Inhalants in Blood by Headspace GC-MS," American Academy of Forensic Sciences 2018, Seattle, WA.
2. Jesal Patel, "Detection of Inhalants in Blood by Headspace GC-MS," Marshall University Forensic Science Seminar Series 2017, Huntington, WV.
3. Jesal Patel, "Fentanyl: The Deadly Opioid," Marshall University Forensic Science Seminar Series 2017, Huntington, WV.