



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 23, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

August 23, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

August 23, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

September 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tessa Bomke**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 14, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 5, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

August 18, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA969 SACHe® Certificate Program - Understanding Hazards & Risk**

And is therefore credited with 2.00 Professional Development Hours [PDHs]  
which is equivalent to 0.20 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA992 SACHE® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Daniel Hwang**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 6, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

December 6, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 13, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

October 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA991 SACHE® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

October 14, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
October 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Augustine Kim**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 6, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 10, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 11, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 11, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

August 28, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

November 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

October 10, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

September 27, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Tyler Jon Komorowski**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA902 SACHE® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
October 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA908 SACHE® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 5, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA954 SACHE® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
August 20, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA962 SACHe® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA970 SACHE® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 6, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:  
October 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
November 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Joseph D Taptich**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 6, 2022

A handwritten signature in black ink, reading "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 7, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA902 SACHE® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 9, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 18, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA954 SACHE® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

September 3, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:  
December 9, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

September 18, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

December 7, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA991 SACHE® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

October 2, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
October 25, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Brooke Tuttle**

Has successfully completed:

**ELA997 SACHE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 8, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 8, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 8, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

September 19, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA962 SACHe® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

December 8, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 12, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA991 SACHE® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

October 18, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
November 9, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Arielle Zlotnick**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 8, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA902 SACHE® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

August 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA992 SACHE® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
November 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Samuel Miles Bedor**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, reading "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

October 10, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
October 10, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 12, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA954 SACHE® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

November 12, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

November 30, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 12, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

November 12, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

November 12, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
December 4, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Patrick Brian Dawson**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 27, 2022

A handwritten signature in black ink, reading "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 25, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

November 22, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA962 SACHe® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA970 SACHE® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 25, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA991 SACHE® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

November 25, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee





This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

November 25, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Jack M Harrison**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 26, 2022

A handwritten signature in black ink, reading "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 27, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA902 SACHe® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 29, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

November 30, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA954 SACHe® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

December 3, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:  
December 3, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

December 4, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
December 4, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Alexander Liesen**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, reading "June C. Wispelwey".

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA901 SACHE® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA902 SACHE® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA954 SACHE® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA962 SACHE® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA970 SACHE® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA991 SACHe® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

August 15, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Ruby Lane Romsland**

Has successfully completed:

**ELA997 SACHE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

August 16, 2022

A handwritten signature in black ink, reading "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA901 SACHe® Certificate Program - Chemical Process  
Safety in the Chemical Process Industries**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 9, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA902 SACHE® Certificate Program - Runaway Reactions**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:  
December 7, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA908 SACHe® Certificate Program - Process Safety  
Lessons Taught from Experience**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 9, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA954 SACHE® Certificate Program - Lab Safety**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:

November 19, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA962 SACHe® Certificate Program - Chemical Reactivity Hazards**

And is therefore credited with 2.50 Professional Development Hours [PDHs]  
which is equivalent to 0.25 Continuing Education Units [CEUs].

Date Awarded:  
December 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA970 SACHe® Certificate Program - Hazards and Risk  
What Can Go Wrong**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 7, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA974 SACHe® Hazards and Risk Introduction to Hazard  
Identification and Risk Analysis**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

December 5, 2022

A handwritten signature in black ink, appearing to read "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, appearing to read "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA984 SACHe® Certificate Program Inherently Safer  
Designs**

And is therefore credited with 3.00 Professional Development Hours [PDHs]  
which is equivalent to 0.30 Continuing Education Units [CEUs].

Date Awarded:  
December 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee





This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA991 SACHE® Safety Aspects of Nitrogen and Other  
Inert Gases**

And is therefore credited with 1.00 Professional Development Hours [PDHs]  
which is equivalent to 0.10 Continuing Education Units [CEUs].

Date Awarded:

December 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHE Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA992 SACHe® Dust Explosions**

And is therefore credited with 2.25 Professional Development Hours [PDHs]  
which is equivalent to 0.23 Continuing Education Units [CEUs].

Date Awarded:  
December 8, 2022

A handwritten signature in black ink, reading "Shakeel H. Kadri".

Shakeel Kadri, Executive Director, CCPS

A handwritten signature in black ink, reading "Wendy Smades".

Wendy Smades, Chair, SACHe Committee



This Certificate of Completion certifies that

**Molly Lena Sawyer**

Has successfully completed:

**ELA997 SChE® Risk Based Process Safety Manage Risk  
Operations**

And is therefore credited with 4.00 Professional Development Hours [PDHs]  
which is equivalent to 0.40 Continuing Education Units [CEUs].

Date Awarded:

December 9, 2022

A handwritten signature in black ink that reads "June C. Wispelwey". The signature is stylized with a large, sweeping loop at the end.

June C. Wispelwey, Executive Director & CEO, AIChE®