



ESA

European Sunlight
Association

CERTIFICATE OF COMPLETION

Preparatory course for the national test and certificate

AWARDED TO

Manuela Abderhalden

FOR SUCCESSFULLY COMPLETING

**ONLINE TRAINING MANUAL FOR SUNBED
OPERATORS AND STAFF**

THIS MANUAL IS IN COMPLIANCE WITH THE TRAINING REQUIREMENTS OF THE EUROPEAN STANDARD EN-16489-1. IT DETAILS THE MAIN ASPECTS OF RADIATION, ITS IMPACT UPON THE SKIN AND THE EYES AS WELL AS TECHNICAL DETAILS OF THE EQUIPMENT AND RELATED MEASUREMENTS. IT IS INTENDED AS A PREREQUISITE FOR SENSIBLE AND RESPONSIBLE EXPOSURE TO ULTRAVIOLET RADIATION.



Frank Harbusch

ESA SECRETARY GENERAL



26TH FEBRUARY 2026