

SFHOPTM3

Produce spectacle lenses



Overview

This standard describes the competences needed to produce spectacle lenses. This includes preparing blanks, processing and finishing lens surfaces to the required standard. Users of this standard will need to ensure that practice reflects up to date information and policies.

SFHOPTM3

Produce spectacle lenses

Performance criteria

You must be able to:

Prepare lens blanks

- P1 confirm the work instructions
- P2 identify any defects in the lens blanks, and refer them to the relevant person
- P3 confirm that the equipment to be used is in safe working order, and has been correctly set up
- P4 mark, protect and block the lens blanks to achieve the specification
- P5 carry out your work safely and accurately
- P6 complete records accurately
- P7 maintain the required standards of cleanliness

Process lens surfaces

You must be able to:

- P8 confirm that the equipment to be used is in safe working order and has been correctly set up
- P9 identify any problems in achieving the work instructions, and clarify these with the relevant person
- P10 select and use suitable working methods, to achieve the lens specification and required finish
- P11 carry out your work safely and accurately
- P12 maintain the required standards of cleanliness

Finish lens surfaces

You must be able to:

- P13 confirm the work instructions
- P14 confirm that the equipment to be used is in safe working order, and has been correctly set up
- P15 identify any difficulties in achieving the work instructions, and clarify these with the relevant person
- P16 select and use suitable working methods and materials, to achieve the lens specification and required finish
- P17 record relevant information correctly and legibly
- P18 carry out your work safely and accurately
- P19 maintain the required standards of cleanliness

SFHOP3

Produce spectacle lenses

Knowledge and understanding

You need to know and understand:

Prepare lens blanks

- K1 the manufacturing specifications
- K2 how to interpret work instructions
- K3 your level of responsibility and competence
- K4 to whom to report problems, and whom to consult for advice and clarification
- K5 how to check that equipment is in safe working order
- K6 how to operate the equipment safely
- K7 why and when lens protection may be needed
- K8 the importance of marking and blocking the lens accurately
- K9 your responsibilities under the Health and Safety at Work Act, and the implications of non-compliance
- K10 the required standards of cleanliness, and how to maintain them

Process lens surfaces

You need to know and understand:

- K11 the manufacturing specifications
- K12 how to interpret work instructions
- K13 your level of responsibility and competence
- K14 to whom to report problems, and whom to consult for advice and clarification
- K15 how to check that equipment is in safe working order
- K16 how to operate the equipment safely
- K17 how to select the correct lapping tool
- K18 how to check and store laps to maintain them in good condition
- K19 your responsibilities under the Health and Safety at Work Act, and the implications of non-compliance
- K20 the required standards of cleanliness, and how to maintain them

Finish lens surfaces

You need to know and understand:

- K21 the manufacturing specifications
- K22 how to interpret work instructions
- K23 your level of responsibility and competence
- K24 to whom to report problems, and whom to consult for advice and clarification
- K25 how to check that equipment is in safe working order
- K26 how to operate the equipment safely

SFHOPM3

Produce spectacle lenses

- K27 how to select the correct lapping tool
- K28 how to check and store laps to maintain them in good condition
- K29 the different abrasive grades of lap pads, and when they are relevant to the process
- K30 the de-blocking process
- K31 how to clean the lens and check it visually
- K32 how the different types of lens materials are identified during the process
- K33 your responsibilities under the Health and Safety at Work Act, and the implications of non-compliance
- K34 how to handle, store and dispose of waste materials
- K35 the required standards of cleanliness, and how to maintain them

SFHOPTM3

Produce spectacle lenses

Additional Information

External links

This standard links with the following dimension within the NHS Knowledge and Skills Framework (October 2004):

Dimension: HWB9 Equipment and devices to meet health and wellbeing needs

SFHOPTM3

Produce spectacle lenses

Developed by	Skills for Health
Version number	1
Date approved	June 2010
Indicative review date	June 2012
Validity	Current
Status	Original
Originating organisation	Skills for Health
Original URN	OPTM3
Relevant occupations	Health, Public Services and Care; Healthcare and Related Personal Services
Suite	Optical Manufacturing
Key words	produce, spectacle, lenses, lens, optical