

Appendix 2 Quality Control of Lenses

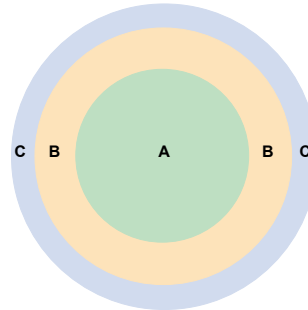
General

Both mineral (glass) and hard resin lenses conform to the following standards: ISO8980-1-2017, ISO8980-2-2017, ISO8980-3-2022, ISO8980-4-2006, ISO8980-5-2005, ISO10322-1-2016, ISO10322-2-2016, ISO13666-2019, ISO14889-2013, ISO/TR28980-2007, GB10810-1-2005, GB10810-2-2006, GB10810-3-2006, GB10810-4-2012, GB10810-5-2012, GB27995-1-2011, GB27995-2-2011, QB2682-2005, QB/T2702-2005. Hard resin lenses also conform to QB/T2506-2017 standard. Quality control system of Y&S is ISO9001 (2015) certified. Y&S offers a 1-year limited warranty.

Material & Surface Shortcomings

Each lens is divided into 3 zones as shown in the Carl Zeiss Master Plate.

Lens Diameter	Zone A	Zone B	Zone C
55mm	30.0mm	9.5mm	3.0mm
60mm	30.0mm	12.0mm	3.0mm
65mm	35.0mm	12.0mm	3.0mm
70mm	40.0mm	12.0mm	3.0mm
72mm	45.0mm	10.5mm	3.0mm



Carl Zeiss Master Plate



Cosmetic Inspection

Cosmetic inspection is carried out by experienced inspectors based on the Carl Zeiss Master Plate. The following table is only a recommendation to the inspectors since the cosmetic inspection is subjective. All lenses offered in this Purchase Guide are first quality lenses unless notified.

		1st Quality Lens	2nd Quality Lens
Scratch	Zone A	If width $\leq$ 0.1mm, length $\leq$ 2.0mm, 1 allowed.	If width $\leq$ 0.3mm, length $\leq$ 5.0mm, 2 allowed, but not centralized.
	Zone B	If width $\leq$ 0.1mm, length $\leq$ 2.0mm, 1 allowed.	If width $\leq$ 0.3mm, length $\leq$ 7.0mm, 3 allowed, but not centralized.
	Zone C	If width $\leq$ 0.2mm, length $\leq$ 5.0mm, 2 allowed, but not centralized.	If width $\leq$ 0.3mm, length $\leq$ 10.0mm, 3 allowed, but not centralized.
Dots	Zone A	Not allowed.	If diameter $\leq$ 0.2mm, 2 allowed, but not centralized.
	Zone B	If diameter $\leq$ 0.2mm, 1 allowed.	If diameter $\leq$ 0.3mm, 3 allowed, but not centralized.
	Zone C	If diameter $\leq$ 0.2mm, 2 allowed, but not centralized.	If diameter $\leq$ 0.5mm, 3 allowed, but not centralized.
Bubbles	Zone A	Not allowed.	Not allowed.
	Zone B	Not allowed.	If diameter $\leq$ 0.5mm, 1 allowed.
	Zone C	If diameter $\leq$ 0.5mm, 1 allowed.	If diameter $\leq$ 0.5mm, 1 allowed.
Inclusions	Zone A	Not allowed.	Not allowed.
	Zone B	Not allowed.	If diameter $\leq$ 0.5mm, 1 allowed.
	Zone C	If diameter $\leq$ 0.2mm, 1 allowed.	If diameter $\leq$ 2.0mm, 1 allowed.
Chips	Zone A	Not allowed.	Not allowed.
	Zone B	Not allowed.	Not allowed.
	Zone C	If width $\leq$ 0.5mm, length $\leq$ 2.0mm, 1 allowed.	If width $\leq$ 1.0mm, length $\leq$ 3.0mm, 2 allowed, but not centralized.

Power Testing & Marking

The power of each lens is inspected and printed on the lens cover by Y&S Power Testing & Marking System. To avoid personal mistakes, lens power is tested by a computerized lensmeter piece by piece, data will be transferred to the computer automatically, power and descriptions are printed onto the lens cover at the same time.



Power Testing & Marking

Drop Ball Test

Drop ball test is carried according to the FDA 21CFR801.410 standard.



Random Check

Random Check

The random check is made according to ISO2859, ISO3951, and GB2828 standards, parameters for the sampling is Level 2, AQL 4.0.

Lot Size (Pieces)	Sample Size (Pieces)	Max. Rejection (Pieces)
90 - 150	20	2
151 - 280	32	3
281 - 500	50	5
501 - 1,200	80	7
1,201 - 3,200	125	10
3,201 - 10,000	200	14
10,001 - 35,000	315	21