

## Quality Control System

### Lens inspection standard: Degree standard

In order to standardize the uniform standards of the Pure Optik company lens. Develop this internal control standards

#### Purpose:

1. The deviation of single light / double optical lenses is shown in the table below

| Focimeter absolute vertex meridian plane on a large degree | Each of the main meridian surface vertex degree of tolerance, A | Column mirror top focal length allowance, B |             |             |       |
|------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------|-------------|-------------|-------|
|                                                            |                                                                 | ≥0.00和≤0.75                                 | >0.75和≤4.00 | >4.00和≤6.00 | >6.00 |
| ≥0.00和≤3.00                                                | ±0.09                                                           | ±0.09                                       | ±0.09       | ±0.15       | ±0.22 |
| >3.00和≤6.00                                                | ±0.09                                                           | ±0.09                                       |             |             |       |
| >6.00和≤9.00                                                | ±0.09                                                           |                                             | ±0.15       |             |       |
| >9.00和≤12.00                                               | ±0.15                                                           |                                             |             | ±0.22       |       |
| >12.00和≤20.00                                              | ±0.22                                                           | ±0.15                                       | ±0.22       | ±0.34       | ±0.34 |
| >20.00                                                     | ±0.34                                                           | ±0.22                                       |             |             |       |

2. Axis deviation as blow

| Column mirror coke degree/<br>D | $\leq 0.50$ | $> 0.50$ 和 $\leq 0.75$ | $> 0.75$ 和 $\leq 1.50$ | $> 1.50$ |
|---------------------------------|-------------|------------------------|------------------------|----------|
| Axial tolerance/<br>0           | $\pm 7$     | $\pm 5$                | $\pm 3$                | $\pm 2$  |

3. Optical center and prism (Internation Standard GB10810.1-2006)

| Standard Prism Degree | Horizontal Prism Degree          | Vertical Prism Degree Tolerance   |
|-----------------------|----------------------------------|-----------------------------------|
| ( $\Delta$ )          | ( $\Delta$ )                     | ( $\Delta$ )                      |
| 0.00~2.00             | $\pm (0.25+0.1 \times S_{\max})$ | $\pm (0.25+0.05 \times S_{\max})$ |
| ( $\Delta$ )          | ( $\Delta$ )                     | ( $\Delta$ )                      |
| $> 2.00 \sim 10.00$   | $\pm (0.37+0.1 \times S_{\max})$ | $\pm (0.37+0.05 \times S_{\max})$ |
| $> 10.00$             | $\pm (0.50+0.1 \times S_{\max})$ | $\pm (0.50+0.05 \times S_{\max})$ |

Note:  $S_{\max}$  is the maximum vertex degree on the meridian plane represents the value of absolute value.

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