Claims:

1. A method for determination of optical power of a test ophthalmic lens the method comprising the steps of:

moving a camera to a first position;

providing an inspection cuvette designed with an optical power of positive ten comprising an optically transparent bottom glass having a concave inner surface containing a reference ophthalmic lens of zero optical power immersed in a liquid, and positioning the inspection cuvette in the optical axis of the camera;

providing a set of illumination sources and the camera for receiving illumination having passed through a calibration target and subsequently through the reference ophthalmic lens contained in the inspection cuvette to produce an overlaid image;

measuring the distance and tabulating the measurements between several predetermined set of target points representative of the optical power of the reference ophthalmic lens; creating a calibration chart of measurements in pixels between pre-determined set of target points using several pre-selected ophthalmic lens with known optical power;

providing the inspection cuvette designed with an optical power of positive ten, comprising the optically transparent bottom and containing the liquid with a test ophthalmic lens positioned at the center of the bottom glass;
providing the set of illumination sources and the camera for receiving illumination having passed through the calibration target and subsequently through the test ophthalmic lens to produce an overlaid image;

and measuring the distance between several pre-determined set of target points and determining the optical power of the test ophthalmic lens from the calibration chart.

2. The method according to claim 1, further comprising the steps of: removing and segregating the test ophthalmic lens under inspection based on its optical power.