

National Examining Board of Ocularists (NEBO)

**2009 Annual Report
for NEBO written exam BCO #871**

Prepared by Castle Worldwide, Inc.

January 11, 2010



The following report details the results of the National Examining Board of Ocularists (NEBO) examinations administered during the calendar year, 2009. Castle provides this report as a summary of candidate performance and the basic measurement qualities of the examination.

Summary of 2009 Test Candidate Performance

The following tables show that 19 candidates took the NEBO written exam BCO #871 during 2009. Approximately 63% of the candidates achieved a passing score on the 150 items used to determine the candidates' total examination score. To achieve a passing score, candidates were required to answer 106 or more items correctly. Examination scores ranged from 74 to 130 with a mean score of 107.32 and standard deviation of 12.74. The reliability estimate (K-R20) of 0.86 is above the generally accepted threshold for certification examinations of 0.80.

Exam Analysis ID: 5423	Form Name: NEBO written exam BCO #871
Exam ID: 6026	
Form ID: 870	
Analysis Start Date: 01-Jan-09	Analysis End Date: 31-Dec-09
Number Candidates: 19	Scored Question Count: 150
Candidates Analyzed: 19	Experimental Questions: 0
Candidates Passed: 12	Cut Score: 106
Passing Percentage: 63.16	Failing Percentage: 36.84
Mean Score: 107.32	Low Score: 74
Variance: 162.34	High Score: 130
Standard Deviation: 12.74	Avg Item Difficulty: 0.72
KR20: 0.86	Avg Item Discrimination: 0.2
Brennan Kane: 0.86	
Standard Error: 4.81	
Decision Consis: 0.86	
Percent A Correct: 24.67	Percent D Correct: 24
Percent B Correct: 26	
Percent C Correct: 28	