



## Biosafety Certificate No. 81/13 B ver. 4

### ESCO Streamline Class II (SC2-4S3) Biohazard Safety Cabinet

Tests to BS EN 12469:2000, Biotechnology- Performance  
criteria for microbiological safety cabinets

### Report No. 81/13 B ver. 4

**Report Prepared For:** ESCO

**Issue Date:** 5<sup>th</sup> January 2014

#### Test Summary

The Biosafety Unit of Public Health England has undertaken extensive tests on the ESCO Streamline Class II (SC2-4E1) biohazard safety cabinet which was fitted with glass side panels and has a power rating of 230V/50Hz. The ESCO Streamline Class II (SC2-4S3) biohazard safety cabinet is identical, but fitted with stainless steel side panels and is rated 230V/60Hz. We consider that this cabinet will match the performance of that previously tested with glass side panels and the 230V/50Hz rating. The cabinet was found to meet the performance required by BS EN 12469:2000 for all the tests below.

- (A) Air Velocity measurements
- (B) Operator protection/containment tests using KI
- (C) Operator protection tests using bacterial spores
- (D) Product protection tests using bacterial spores
- (E) Cross contamination tests using bacterial spores
- (F) Air visualisation tests
- (G) Filter integrity tests
- (H) Maintenance of temperature by the working cabinet
- (I) Acceptable noise and light levels during operation of the cabinet
- (J) Acceptable design of filter mountings and plenum

#### Testing Performed By

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