

Public Health England Microbiology Services Porton Down Salisbury Wiltshire SP4 OJG

Biosafety Certificate No. 81/13 B ver. 3

ESCO Streamline Class II (SC2-4E3) Biohazard Safety Cabinet

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

Report No. 81/13 B ver. 3

Report Prepared For:

ESCO

Issue Date:

5th 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 has a power rating of 230V/50Hz. The ESCO Streamline Class II (SC2-4E3) biohazard safety cabinet is identical but is rated at 230V/60Hz. We consider that this cabinet will match the performance of that previously tested with 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

Authorised By

Name: Mr Matthew Hewitt

M. H.

Title: Biosafety Scientist

Name: Mr Simon Parks

Title: Senior Biosafety Scientist

Please be aware that the use of the Royal Coat of Arms is highly restricted and cannot be copied. Please do not put the PHE logo on your website or use our name to endorse your products. Any reference to PHE needs to be approved by us before it can be used.