KI-DISCUS™

CERTIFICATE OF TEST & CALIBRATION

Appliance	Ki-Discus Mk. 2		Serial Number	K11930055	
Customer	Wolstenholm Containment Solutions				
Date of Issue	11th June 2025		Certificate Number	**CTQ** 3849	
Temperature	21.1 ˚C	Humidity	63 %	Supply Voltage	237 v
Test Engineer	L. Stubbington				

The unit under test will be subject to the Standard Ki-Discus test procedures. These procedures cover (1) Nebuliser Nozzle/Disc Clearance (2) Disc Rotation Speed (3) Mechanical Gauge Reading (4) Pump Delivery.

TEST	PARAMETERS	SET RESULTS
(1) Nebuliser/Disc Clearance	0.10 mm ± 0.05mm	0.10 mm
(2) Disc Rotation Speed	28,000 RPM ± 250 RPM	28,020 RPM
(3) Vacuum Gauge	-20.0 mbar ± 0.5 mbar	-20.0 mbar
(4) Pump Delivery	20.0 ml ± 0.25ml in 9m 00s ±15s	20.0 ml in 9m 00s

This equipment has passed all Standard Internal Functional and Calibration Tests and is compliant with the product specification.

DATE OF CALIBRATION	11th June 2025
NEXT CALIBRATION DUE DATE	11th June 2026

Approved Signatory R. Ault

Signature R Ault

Test Equipment	Calibration Company	*Serial no.*	Calibration Expiry Date
(1) External Micrometer	RS Components	161183527	07 August 2025
(1) Feeler Gauge	RS Components	1931787/252	08 August 2025
(2) Frequency Counter	Compli Group Ltd.	498974	30 July 2025
(3) Digital Manometer	Labcal Ltd	S7235	01 April 2026

CTS (Europe) Ltd certifies the above instruments meet correct specifications and have been calibrated using instruments of known accuracies, which are traceable to UKAS accreditation.

Uncertainties

Reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor K=2, providing a level of confidence of approximately 95%. The Uncertainty evaluation has been carried out in accordance to UKAS Requirements - Digital Manometer: Uncertainty is [0.01% of the applied pressure + 0.43 mbar (+ resolution of the instrument of 0.1 mbar)]. The reported expanded uncertainty is based on standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. Frequency counter: Measurement uncertainties in range: 10 Hz to 100 kHz: ± (1 in 10^6 + 1 L.S.D). Uncertainties quoted refer to values applied under test. The L.S.D. component of the above measurement uncertainties refers to the display resolution of the instrument under test. Feeler gauge: Uncertainty of measurement: ± 0.002 mm. Digital ext. Micrometer: Uncertainty of measurement: Micrometer : ± 0.002 mm, flatness: ± 0.0003 mm, parallelism: ±0.0008 mm.