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WF Nkomo Street  
Pretoria West  
P O Box 7413  
Pretoria 0001  
South Africa



Company registration: 1968/008611/30 VAT registration: 439 016 0077

## TEST CERTIFICATE

**COMPANY** : Yebo Tech (Pty) Ltd  
**ADDRESS** : Tokai on Main Business Park, Tokai Main Road,  
**TELEPHONE NO.** : 021 713 7260  
**E-MAIL ADDRESS** : [david.harley@yebotech.com](mailto:david.harley@yebotech.com)  
**ATTENTION** : Dr. David Harley  
**PROJECT NUMBER** : 16712  
**TEST ITEM** : Tailpiece holder (Modified and unmodified)  
**SERIAL NO.** : Not Supplied  
**MODEL NO.** : Not supplied  
**TEST SPECIFICATION** : IEC60529 (ingress protection, IP67)  
**DATE RECEIVED** : 2020-08-22  
**DATE COMPLETED** : 2020-09-08

**TEST EQUIPMENT** :

Equipment	Asset no.	Calibration certificate no.
Climatic chamber dust	OTF0155	C/2019/005
Immersion test system	Not required	Not required
Measuring meter	CONS043	U2901

**SUMMARY OF TEST** : The tailpiece holder unit fitted with a 3 mm in diameter vacuum tube to access the tested cavity was subjected to a (IP6X) dust test set to 80 times the volume of the sample enclosure without exceeding the extraction rate of 60 times the volume per hour.

Note: The volume of the tested cavity is of the order of 0.553 cm<sup>3</sup> and the unoccupied volume is 0.305 cm<sup>3</sup>

The adjusted pump was set to 24.4 cm<sup>3</sup>/hr

Test duration: 2 hours

The tailpiece holder unit was subjected to an (IPX7) water immersion test and submerged in a water tank to a depth of 1m.

Test duration: 30 minutes.

**SUMMARY OF RESULTS** : The unit was visually inspected after the dust test exposure in accordance to the manufacturer's guidelines and showed no signs of dust ingress.

The unit was visually inspected after the full water immersion test exposure in accordance to the manufacturer's guidelines and showed no signs of water ingress.

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### PHOTOGRAPHS



**Dust test**



**Water immersion test**



**Visual inspection after the tests**

AUTHOR:

**Lerato Molale  
TEST OFFICIAL**

2020-09-21

**Date**

APPROVAL:

**Rvan den Berg  
TECHNICAL MANAGER**

2020-09-21

**Date**