

## TEST CERTIFICATE

**CLIENT:** Pamby Electronics Ltd  
Units 7 & 8  
Ventura Centre  
Ventura Place  
Upton Industrial Estate  
Poole, Dorset  
BH16 5SW

**CERTIFICATE NUMBER** 21961/05 Issue 01

**CUSTOMER ORDER NUMBER** A16163

**PAGE 1 of 1**

**DATE OF RECEIPT**

06 August 2021

**TEST ITEM(S)**

Description	Ref Number	Item Number	PTL ID	Test Applied
PED 1580 Dynamic series earphone	PED 1511	1	34972	IP6X

**TEST SPECIFICATION / ISSUE**

BS EN 60529:1992 +A2:2013 IP6X

**DATE OF TEST**

10-11 August 2021

**TEST(S) APPLIED**

Protection Against Solid Foreign Objects, Dust-Tight

Initially the test item was examined for apertures and openings allowing penetration of a 1mm diameter probe applied with a force of 1N.

Prior to testing a 19.9 mbar vacuum was applied to the unit, the air flow was below measurable, therefore a test period of 8 hours was required. The test conditions were as follows:

Equipment Category: 1  
Dust Grade: BS EN 60529 Talc Test Dust  
Concentration: 2 kg/m<sup>3</sup>  
Duration: 8 hrs  
Temperature/Humidity: 20.0°C / 43% rh

**RESULT(S) OF TEST**

There were no apertures permitting entry with a 1mm diameter probe when using a force of 1N on either unit under test.

On completion of the test excess dust was removed by light brushing, no conspicuous damage was noticed on the unit, an internal inspection showed no visible dust ingress.

**COMPLIANCE**

The PED 1580 Dynamic series earphone (N<sup>o</sup> 1) conformed to the requirements of BS EN 60529:1992 +A2:2013 IP6X.

Approved by .....  
Greg Spicer, MEng  
Managing Director  
Date: 21 October 2021