

## Water Intrusion (Immersion) and Dust Tests

<b>Prepared for:</b>  Seahorse  Attention: Flavio Valencia	<b>Test dates</b>
	<b>Start:</b> 6/1/2004 <b>Completion:</b> 6/24/2004
	<b>Environ test number:</b> 31027-1D, -2B Rev. 1
	<b>Purchase order number:</b> 7420 <b>Purchase date:</b> 4/28/2004

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Environ Laboratories LLC certifies that eleven Plastic Cases were subject to a Water Intrusion (Immersion) Test in accordance with *IEC 60529*, Edition 2.1, dated 2001-02, Paragraph 14.2.7, IPX7, and a Dust Test in accordance with *IEC 60529*, Edition 2.1, dated 2001-02, Paragraph 13.4, Category 1, IP6X, as requested in Seahorse purchase order 7420, dated April 28, 2004.

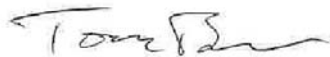
<b>Manufacturer</b>	Seahorse
<b>Device</b>	Eleven (11) Plastic Cases
<b>Model/part number</b>	SE120, SE300, SE520, SE710, SE720, SE1220, SX120, SX300, SX520, SX710, and SX720
<b>Serial number</b>	N/A

*The results of this test apply only to the units identified in this Engineering Report by device identifier and model / part number, or serial number.*

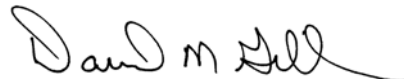
Test units meeting the requirement of the tests are as follows:

**Table 1: Test results**

Water Intrusion (IPX7)		Dust (IP6X)	
SE120	SX120	SE120	SX520
SE300	SX300	SE300	SX710
SE710	SX520	SE520	
SE720	SX710	SE720	
SE1220	SX720	SE1220	



Tom P. Braun, Test Engineer



David M. Gillen, Vice President

## Instrumentation

All instrumentation is calibrated regularly by instruments directly traceable to the National Institute of Standards and Technology, and in accordance with *MIL-I-45208A*, *ANSI/NCSL Z540.3-2006*, and *ISO/IEC 17025: 2005*.

Equipment Number	Description	Manufacturer	Model Number	Last Calibration	Due Calibration	Range
400-024	Stopwatch	Radio Shack	63-5014	4/27/2004	4/27/2005	0 to 10 hours
400-029	Stopwatch	Radio Shack	63-5014	4/27/2004	4/27/2005	0 to 10 hours
504-038	Dust Chamber	TRW	D-6	N/A	N/A	1 cubic meter
710-127	Pressure Gauge	Ashcroft	Q-114	5/4/2004	8/4/2004	0 to 5 PSIG
710-202	Digital Pressure Gauge	Meriam Instruments	2110-AI2000	3/26/2004	3/28/2005	0 to 2000 mmHg
717-040	Flowmeter	Sierra Instruments	821-1	6/11/2003	6/11/2004	0 to 500 SCCM