

Test Datasheet

Start Date	Completion Date	Customer Name	Purchase Order #	Service Project Number SPN	Test ID #	Temperature	Humidity	DS Revision
6/8/2015	6/12/2015	Seahorse Protective Cases	Eng5152015	13853	G1-2	23.1 °C	56.7 % RH	6/12/2015
Test Title		Test Specification / Standard		Specific Test Conditions		Measurements / Inspection		
Dust		IEC 60529, IP6X		Dust media = talcum powder Concentration = 2 kg/m ³ (of chamber vol) Duration = 8 hours RH must be less than 30% Wind speed ≈ 1700 ft/min		The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test		
Anomaly / Interruption				Nonconformity / Deviation				
None				None				
Test Sample Description		Part Number		Experior Test Procedure # (if applicable)			Customer Witness	
Enclosures/Equipent Cases		Per description below		Per IEC 60529, IP6X			None	
Project Engineer	Performed By	Bench Cleaning	Equipment List	Post Test Cleanup	Setup Check	Event Log	Signoff by Technical Director	
David Young	DY	DY	DY	DY	DY	DY	john kim	
		Signoff Date/Time	6/8/2015 3:20PM	6/8/2015 3:40PM	6/12/2015 4:4PM	6/9/2015 8:10AM	6/12/2015 4:50PM	
Results Summary								
Experior Sample Number		Seahorse Serial Number		Observation	Requirement	Compliant Sample?		
S1		SE830		No dust found	No deposits of dust can be present within the enclosures	Yes		
S2		I342HL		No dust found		Yes		
S3		P24		No dust found		Yes		
S4		RB66X06Y28Y		No dust found		Yes		
S5		RB32X04Y10Y		No dust found		Yes		
S6		RB53X06Y16Y		No dust found		Yes		
S7		RB33X06Y16Y		No dust found		Yes		
S8		RB63X06Y28Y		No dust found		Yes		
S9		RB55X06Y16Y		No dust found		Yes		
Date	Time	Event Log						Initials
6/8/2015	3:20 PM	Begin setting up chamber for dust test						DY
	3:30 PM	Chamber has talcum powder from previous IP6X test (1.6kg total), adding additional powder to compenatate						
	3:45 PM	Placed sample S2 through S8 into chamber and sealed						
	3:50 PM	Begin de-humidifying						
	8:10 AM	Verified chamber relative humidity < 30%						
6/9/2015	8:18 AM	Bring wind speed up and begin testing						
	4:18 PM	Wind speed and dust feed halted						
6/10/2015	8:30 AM	Chamber opened up. Post test pictures taken and samples lightly brushed off						
	8:45 AM	Removed samples for post tets inspection						
	9:30 AM	Sample S2 through S8 show no signs of dust intrusion						
6/12/2015	2:00 PM	Sample S1 and replacement sample S9 placed into chamber and sealed						
	2:05 PM	Begin de-humidifying						
	8:14 AM	Bring wind speed up and begin testing						



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Test Report by:
 Experior Laboratories, Inc.
 Oxnard CA, 93033
 Phone: 805 483-3400

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6/12/2015	4:14 PM	Wind speed and dust feed halted						
	4:18 PM	Chamber opened up. Post test pictures taken and samples lightly brushed off						
	4:25 PM	Removed samples for post test inspection						
	4:30 PM	S1 and S9 show no signs of dust intrusion						
	4:45 PM	Post Test Cleanup						

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EQUIPMENTS LIST				Test Title	SPN	Test ID #
				Dust	13853	G1-2
Instrum. Number	Manufacturer	Model Number	Serial Number	Instrument Description	Last Cal Date	Cal Due Date
1141	Control Company	N/A	ID 1141	24 hour Digital Timer	9/9/2014 8:08:40 PM	9/9/2016
1801	thermodynamic Engineer	3313	770603	500 liter Sand/Dust Chamber	12/2/2014 9:49:22 PM	12/2/2015
1802	Stanford Research	SR630	34344	16-Channel Thermocouple Monitor	10/16/2014 8:49:34 AM	10/16/2015
1799	Redkoh	201LP-2	RK3471	Triboelectric Particulate Sensor	Calibrate Before Use	Calibrate Before Use
1245	Ohaus	Ranger	2948857	120 lbs. Scale	12/5/2014 9:11:14 PM	12/5/2015
1260	Extech	42280	9069033	Temperature Humidity Datalogger	5/6/2015 8:59:27 AM	5/6/2016

















