

# TEST CERTIFICATE

This certificate is a summary of the test and test reports as stated below:

**BERMAD UK LTD**

#06-02 102E Pasir Panjang Road

Citilink Warehouse Complex

Singapore 118529

Attn: Mr. David Choo

FOR

**Brand: Bermad**

**Test Standard :** BS EN 1092-2: 1997, BS EN 1074-4: 2000, AS/NZS 4020: 2015, SS 375: 2015, SS 270: 2015, BS EN 545: 2010

**Product Type :** Air Valve

Product	Test Instruction	Flange mating dimension and thickness	Design Requirement	Internal corrosion and ageing resistance	External corrosion and ageing resistance	Resistance to internal pressure of the shell and of all pressure containing components	Resistance of the obturator to differential pressure	Resistance of valve to operating loads	Leaktightness of the shell and all pressure containing component to internal pressure	Seat tightness	Maximum operating torque	Airflow characteristics for air release function	Airflow characteristics for air intake function	Airflow characteristics for air venting function	Resistance to disinfection products	Endurance for air intake and/or air release function	Endurance for air vent function	Long term unseating test	Metal Extraction	Toxicity					Elastomeric Seal Test			Microstructure					
																				EPDM	EPDM	EPDM	Glass-reinforced nylon	PP+Fam	PP	EPDM	EPDM		EPDM				
Air Valve  Model: A30  Size: ¾"	If done, Pass/Fail	NA	See MM-8500234824/1-2A/CY	Pass See MM-8500234824/1-2A/CY	NA	Pass See MM-8500234824/1-2A/CY	NA	Pass See MM-8500234824/1-2A/CY	NA	NA	NA	NA	See MM-8500234824/1-2A/CY	Pass See MM-8500234824/1-2A/CY	NA	Pass See MM-8500234824/1-2A/CY	NA	Pass See MM-8500234824/1-2A/CY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	If not done, reference	NA					NA			NA	NA	NA				NA		Pass See MM-8500434824/1-2B/CY	Pass See MM-8500234824/2/RH	Pass See FB8500295748	MM-8500234824/3-7/T	MM-8500234824/3-3/T	MM-8500234824/3-4/T	MM-8500234824/3-5/T	MM-8500234824/3-6/T	MM-8500234824/1-1D/OWD	MM-8500234824/1-1C/OWD	MM-8500234824/1-1B/OWD				NA	
	If not done, no reference	NA					NA			NA	NA	NA				NA																	

Product	Test Instruction	Flange mating dimension and thickness	Design Requirement	Internal corrosion and ageing resistance	External corrosion and ageing resistance	Resistance to internal pressure of the shell and of all pressure containing components	Resistance of the obturator to differential pressure	Resistance of valve to operating loads	Leaktightness of the shell and all pressure containing component to internal pressure	Seat tightness	Maximum operating torque	Airflow characteristics for air release function	Airflow characteristics for air intake function	Airflow characteristics for air venting function	Resistance to disinfection products	Endurance for air intake and/or air release function	Endurance for air vent function	Long term unseating test	Metal Extraction	Toxicity					Elastomeric Seal Test			Microstructure					
																				EPDM (	EPDM	EPDM (	Glass-reinforced nylon	PP+Fam	PP	EPDM (	EPDM (		EPDM (				
Air Valve  Model: A30  Size: 1"	If done, Pass/Fail	NA	See MM-8500234824/1-2B/CY	Pass See MM-8500234824/1-2B/CY	NA	Pass See MM-8500234824/1-2B/CY	NA	NA	NA	See MM-8500234824/1-2B/CY	NA	NA	NA	NA	NA	Pass See MM-8500234824/1-2B/CY	Pass See MM-8500434824/1-2B/CY	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	If not done, reference	NA	-	-	NA	-	NA	NA	NA	Pass See MM-8500234824/1-2A/CY	NA	-	-	Pass See MM-8500234824/2/RH	NA	-	-	Pass See MM-8500234824/3-7/T MM-8500234824/3-3/T MM-8500234824/3-4/T MM-8500234824/3-5/T MM-8500234824/3-6/T	NA	Pass See MM-8500234824/1-1D/OWD MM-8500234824/1-1C/OWD MM-8500234824/1-1B/OWD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	If not done, no reference	NA	-	-	NA	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



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