

Fire Test Report

ANSI/API Standard 607, 6th Edition, 2010

ISO 10497: 2010

Performed for

PBM, Inc.

www.pbmvalve.com



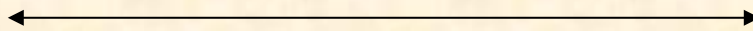
2 inch Class 150

CPHLH7 CRYOGENIC BALL VALVE

Valve Code: SK-Q021

Project Number: 214142

Test Date: June 3, 2014



Performed by

YARMOUTH RESEARCH AND TECHNOLOGY, LLC

434 Walnut Hill Road
North Yarmouth, ME 04097 USA
(207) 829-5359

info@yarmouthresearch.com

www.yarmouthresearch.com

Yarmouth Research and Technology, LLC

Customer: PBM, Inc.

Date: 6/3/2014

Specification: ANSI/API Standard 607, Sixth Edition, 2010

ISO 10497: 2010

Product Description: 2 inch Class 150 CPHLH7 CRYOGENIC BALL VALVE

Valve Code: SK-Q021

Project Number: PN214142

Yarmouth Engineer: Matthew J. Wasielewski, P.E.

Equipment Confirmed to be in Calibration to NIST Standards: Yes

Burn and Cool Down Test

Burn Start Time:	14:35:00	
Average Pressure During Burn:	30	psig
Seat Leak Rate During Burn:	10	ml/min
Allowable Seat Leak Rate:	200	ml/min
External Leak Rate During Burn/Cool Down:	5.3	ml/min
Allowable External Leak Rate:	50	ml/min
Amount of Time of Avg. Cal. Blocks > 650 deg. C:	22.8	minutes
Were Test Conditions Within Compliance?	Yes	
Were the Valve Leakages Below the Allowables?	Yes	

Post-Burn Seat Test

Average Pressure During Test:	30	psig
Seat Leak Rate:	0.0	ml/min
Allowable Seat Leak Rate:	80	ml/min
Was the Leakage Below the Allowable?	Yes	

Operational Test

Average Pressure During Test:	206	psig
External Leak Rate After Operating:	11	ml/min
Allowable External Leak Rate:	50	ml/min
Was the Leakage Below the Allowable?	Yes	
Does Valve Pass or Fail the Test Standard?	PASS	

Certified by



Matthew J. Wasielewski, PE

President and Manager

Yarmouth Research & Technology, LLC

