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सर्टिफिकेशन इंजीनियर्स इंटरनेशनल लिमिटेड
(भारत सरकार का उपक्रम, इंजीनियर्स इंडिया लिमिटेड की सहायक कम्पनी)
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LOW TEMPERATURE TESTING RECORD

Report No. CEIL/9308/AMV/034

Date: 28/03/2015

Test Venue: COMFIT & VALVES PVT LTD	Test Date: 28/03/2015
Project: SUPPLEMENTARY REQUIREMENT	Procedure No. TP-CRYO-001, DT.20/02/2015
Client Name: BPCL - KOCHI	PO No.: 4504759625, DT. 29/09/2014

Final Products:

Sr. No.	Part Description / Size / Part No. / Model No.	Qty.	R.M. Spec.	Batch No.	Raw-Material TC No. / Date
1	Pre-Fab Hook Ups Low Temp. Ball Valve / 1/2" PE X Flange, Full Bore / Model No.: 8PE-CCB-FGD-FB	01	F316/316L	A11A5	AF/LAB/7117 / 14/01/2015

Sub Part / Part Assembly for Final Products:

Part Assly. Name	Size	For Sr. No.	R.M. Spec.	Batch No.	Raw Material TC No. / Date
Connector	--	1	SS316L	D13A5	S1968 / 19/01/2015
Stem	--	1	SS316L	Q42L4	A/100345 / 31/12/2014
Ball	φ24 mm	1	SS316L	D12A5	S1967 / 19/01/2015

Physical Testing: Not Applicable

Batch no.	U.T.S MPa	Y.S MPa	% Elongation	Reduction area
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Testing at low temperature:

Soaking time	1 Hrs.	Temperature °C						
Start time	1:30 pm	Body	-51°C	Bonnet	-52°C	Cryo Chamber	-53°C	Ambient Temp.
End time	2:30 pm	Body	-53°C	Bonnet	-51°C	Cryo Chamber	-55°C	28°C

Inspection / Test Report:

Description	Inspection / Test parameters	Quantum of check	Result	Remarks
Dimensional Inspection	Dimension & Thread	100% Checked by reqd. Gauge	OK	--
Visual Inspection	Appearance	100%	OK	--

