TUV INDIA PRIVATE LIMITED INSPECTION RELEASE NOTE / CERTIFICATE

IRN-050104339824/16-1- Rev0

TUV India Control No:

050104339824/16

Date:

04/10/2024

(SAP Number)

(8119721766)

Rich Gas System Package for Assam Bio-Refinery

TUV India Branch Name:

Mumbai

TUV India Client Name:

Project Name & Location:

BUSCH VACUUM INDIA PRIVATE

End User Name:

Assam Bio-Refinery Pvt Ltd

LIM

DEC / PMC / EPC Name:

DEC / PMC / EPC Assignment Number:

(If applicable)

(If applicable)

DAVE ENGINEERS PVT. LTD. P.O. Number:

DI231131MM Dated 09/01/2024

(Client PO on Vendor)

Sub Vendor Name & Location:

Vendor Name & Location:

P.O. Number:

(If applicable - Vendor PO on Sub Vendor)

Item Description:

PO Item No.	Item Code	Item Description / Identification / MTC Number	UOM	P.O. Quantity	Offered Quantity	Accepted Quantity	Cumulative accepted Quantity
4	DCV025RJSXS1XL	Disc Check Valve, 25 NB, MOC: DUPLEX #150, WAFL to B16.5 WAF/125AARH, Requirement As per VMS To be Followed SO No: KOL_System_21006 PR No. MM30384 1" 150#, MOC - ASTM A182 GR. F51 END - WAFER Type Valve Sr. No FQ1946 MTC Number - NVI/2716/E3648/2024 Dated 03.10.2024	number	1	1	1	1
5	DCV025XESXP1XF	Disc Check Valve, 25 NB, MOC: SS316L #150, WAFL to B16.5 WAF/125AARH, SOFT Part: PTFE, Requirement As per VMS To be Followed SO No: KOL_System_21006 PR No. MM30393 1" 150#, MOC - ASTM A182 GR. F316L END - WAFER Type Valve Sr. No FQ1947 & FQ1948 Witnessed Valve Sr. No FQ1947 MTC Number - NVI/2716/E3647/2024 Dated 03.10.2024	number	2	2	2	2
6	DCV025XESXS1XF	Disc Check Valve, 25 NB, MOC: SS316L #150, WAFL to B16.5 WAF/125AARH, SO No: KOL_System_21006 PR No. MM30384 1" 150#, MOC - ASTM A182 GR. F316L END - WAFER Type Valve Sr. No FQ1942 MTC Number - NVI/2716/E3647/2024 Dated 03.10.2024	number	1	1	1	1

Reference Documents:

Sr. No.	Document Name	Client Document Number	Vendor Document Number	Approval Status	
1	PR/MR/ARM	Not Applicable	Not Applicable	Not Applicable	
2	QAP/ITP/QCP	Not Applicable	NVI/A2716/3591 Rev.01	Approved by Client	
3	Drawing(s)	Not Applicable	1) NV/9015/A2716-4 Rev. 01 (PO Sr. No 4)	Code 1 Approved	

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801, Raheja Plaza - I, LBS Marg, Ghatkopar (West), Mumbai - 400086, Maharashtra, India. Tel: +912266477000, Email: inspection@tuv-nord.com Website: www.tuv-nord.com/in Form No.:: F / INSP / IRN / 03 - R08 / TIIMES; Revision Date: 27.10.2023 Page: 1 of 3

TUV INDIA PRIVATE LIMITED INSPECTION RELEASE NOTE / CERTIFICATE

IRN-050104339824/16-1- Rev0

			2) NV/9015/A2716-5 Rev. 01 (PO Sr. No 5 & 6)	by Client
4	Datasheet(s)	Not Applicable	Not Applicable	Not Applicable
5	Procedure(s)	Not Applicable	Not Applicable	Not Applicable
6	Others(Specify)	Not Applicable	Not Applicable	Not Applicable

Stages Witnessed:

- ITP Sr No 4.1 Visual inspection done on 10% (Min. 1 no.) randomly selected valves per PO line item from 100% offered Qty. No any harmful defects & damages found. Surface finish check visually & found satisfactory at the time of inspection. - Marking on Valve verified - Found as per requirement.
- ITP Sr No 4.2 Crack (Inlet opening pressure) open checked at 0.2 Kg/cm2 (g) Valve function smoothly. 2)
- 3) ITP Sr No 4.3 - Dimensions of 10% (Min. 1 no.) randomly selected valves per PO line item from 100% offered Qty. checked as per approved drawing - All dimensions found within tolerance limit w.r.t approved drawing. Found to meet the requirements of approved
- ITP Sr No 4.4 Hydrostatic shell test witnessed on 10% (Min. 1 no.) randomly selected valves per PO line item from 100% offered Qty. as 4) per approved GAD - Observed No pressure drop, No Visible leakage. Found to meet the requirements of approved QAP
- ITP Sr No 4.5 Hydrostatic seat test witnessed on 10% (Min. 1 no.) randomly selected valves per PO line item from 100% offered Qty. as per approved GAD - Leakage observed within acceptable limit as per API 598. Found to meet the requirements of approved QAP
- ITP Sr No 4.8 Helium leak test (Vaccum Hood Method) witnessed on one valve per size/moc/tag for PO Sr. No. 5 (Valve Sr. No. -FQ1947) as per approved GAD & QAP requirements - Leakage observed within acceptance limit. Found to meet the requirements of approved QAP
- ITP Sr No 5.1 PMI test witnessed on 10% (Min. 1 no.) randomly selected valves per PO line item from 100% offered Qty. Main alloying 7) element found to meet material specification requirement.
- All measuring Instruments/ Equipment were verified for continued suitability for intended use, proper identification, calibration status, traceability to national standards & found satisfactory.

Documents Reviewed:

NCR / Waiver: (# Any)

- ITP Sr No 1 Reviewed vendor declared MTC's (EN 10204 TP 3.1) for body & plate. Heat treatment details, Chemical properties and Mechanical properties verified as per material specification as per approved QAP & GAD as applicable. Found to meet the
- QAP Sr. no 3 Hardness test report & DP test report for Seat as declared by manufacturer reviewed & endorsed Found in order. 2)
- QAP Clause No. 4 Visual, Dimension, Pressure test report, Vaccum helium test report as declared by manufacturer reviewed & 3) endorsed - Found in order.
- QAP Sr. no 5 PMI Test report as declared by manufacturer reviewed & endorsed Found in order. 4)
- QAP Sr. no 6 Pickling & Passivation report as declared by manufacturer reviewed & endorsed Found in order.

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dentification:	Offered valves hard stamped as " for identification near manufacturer marking. (Hydrostatic Test witnessed double stamp & rest single stamp)	
Order status:	☐Complete ☑Incomplete	
Date(s) of Inspection:	03/10/2024	
Conclusion:	All items were inspected within the scope defined in PO, approved QAP/ITP/QCP & specifications - foun the specified requirements	

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Page: 2 of 3

None

TUV INDIA PRIVATE LIMITED INSPECTION RELEASE NOTE / CERTIFICATE

IRN-050104339824/16-1- Rev0

DEEPAK KIRDAK		
Surveyor(S) to TUV India Private Limited		
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