Industry & Facilities Div	ision	Divi	lities	Faci	&	Industry
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☑ Completely☑ Partially☑ Balance

FUGITIVE EMISSIONS CERTIFICATE Nr LTV/MPK/CHE/FE/GGC/016-R1

BV Job nr: IND.C.4.13.0355

PROJECT: Stock	Ref:	
BV Client: M/s: L&T Valves Limited, Manapakkam, Chennai	P/o nr:	
Manufacturer: M/s: L&T Valves Limited, Manapakkam, Chennai	P/o nr:	
Inspection requested by: M/s: L&T Valves Limited, Manapakkam, Cheni	nai	
Test date: 13/02/2012 to 16/02/2012		

UPPLY/SUB.	JECT OF INSPE	ECTION:	
Standard	ISO 15848 Part-1, First edition 2006		
Valve details	NPS 4 / Class 2500 / Pressure seal Globe Valve / ASTM A351 Gr. CF8C		
Stem Seal	6 Braided graphite preformed split rings (Stem dia: 1.75")		
Body Seal	Die-moulded graphite ring with SS316 metal cap		
	Fluid	Helium	
Test	Pressure	413.7 bar / 208.9 bar	
Conditions	Temperature	RT / 538°C	
	Test method	ISO 15848 Part-1: Vacuum method (Annex A), Sniffing method (Annex B)	

CONCLUSIONS / REMARKS:

As per the standard, the range of valves qualified is as under:

Performance class	ISO FE BH - CO2 - SSA 1 - t (538°C) - CL2500 - ISO 15848-1		
Test Results	Tightness class	ВН	
	Endurance class	CO2 (1500 mechanical cycles, 3 thermal cycles)	
	Number of stem seal adjustments (SSA)	1	
Qualification extension	Stem diameters qualified (50% lower and 200% higher)	Pressure seal Globe Valves with stem diameters ranging from 0.875" to 3.5"	
	Size/Class qualified	Classes 150, 300, 600, 900, 1500 & 2500 (Sizes covering stem diameters 0.875" to 3.5")	

The above items have been released in accordance with specifications and purchase order requirements on hand at the vendor's premises at the time of inspection.

Enclosed manufacturer's Fugitive Emissions report no: AlLFEISOGGC-016 dated 17/02/2012 duly endorsed for the test results

This note is issued further to an inspection whose duration and scope were limited by the terms and conditions of the contract with BV principal. This note is NOT an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and any party from their respective duty, guarantee, obligation and/or indemnity relating to, without limitation, patents, workmanship, materials, safety, performance in operation and/or reliability.

Inspected by:	Checked by:
Name: M. Rajaram	Name: S. Sankar
Date of issue: 05/09/2013	Signature:
Inspection centre: Chennai	* (3)
Distribution: L&T Valves BV-Chenn	ai

This note is subject to the General Conditions of Service of Bureau Veritas in force on the day of its issuance.