



CERTIFICATE OF ACCEPTANCE

This is to certify that Supplier Technical Assessment Record (STAR) level 2 has been awarded to:

Company: Fluoroseal
Manufacturing Location: Quebec, Montreal, Canada
Brand: SU-0825
Technical Qualification Result: TAMAP / Project Use

Based on the Shell Global Solutions Technical Qualification carried out in September 2009 in accordance with testing procedure SPE 77/300 dated January 2006 has been accepted by Shell Global solutions International B.V. based on successful Type Acceptance Testing (TAT) result of:

Valve Type	Pressure Class	Size	Emission class	MESC No	TAT Date
RTFE Lined Plug Valve	150	NPS3 (DN80)	B	None	September 2009

The 2-STAR rating in the Shell Global Solutions Technically Accepted Manufacturers And Products (TAMAP) database is applicable to the MESC Sub-sub Groups, listed in Technical Specification MESC SPE 77/300B in accordance with tested valves description on page 2. For an overview of manufacturers models & types qualified by this testing see page 3.

Restrictions & Conditions	TEC Codes : PL-TP-MT-UD-TE-BB-LN-API599-ST • DN50 to DN150 Bore; Class 150#. • Temperature Qualification : Ambient to +200°C • Shell Fugitive Emission Class : B(HS)
Sealing Materials	Seal: UCAR Carbon Company Graphoil flexible graphite grade GTB

Shell GSI Report No: GS.09.54349	Original acceptance: 2009 - 09 - 25
Shell GSI contract no: 130951	Current Certificate: 2009-09-25
Acceptance Certificate no: 2014-09-25	Certificate Expiry: 2019 - 09 - 25
Issued By: Shell Global Solutions International B.V. GSUS-PTE/MMI	

Signature / Stamp:

Steve Butler, P.E.
 Engineer, Shell, Houston, Texas, USA

Date:

January 12, 2017

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Test Valve:

3" (DN 80) Plug Valve, ASME class 150, top entry, sleeve lined, unidirectional, soft seated.

Materials:

Body - ASTM A216 WCB

Plug/Stem - ASTM A351 CF8M

Sleeve - RTFE

Design ASME B16.34

Design pressure - ASME class 150

Design temperature - 0 deg C to plus 200 deg C

Testing Temperature Range - ambient, 200 deg C, 100 deg C

Fugitive Emission Class B

Purchase Order Number - 686153130-PO-55180A

General Arrangement Drawing Number - SU-0825

Serial Number - 091081621S

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The valve qualification range according to the following tested valve:

PL-TP-MT-UD-TE-BB-LN-API599-ST	PLUG VALVES, API STD 599 - TAPERED, SOFT SEATED, UNI-DIRECTIONAL, NONLUBRICATED, SLEEVED, BOLTED BONNET					
	ASME B16.34					
Mat, body	Temperature range	size range	MESC	FE class	Caps code	TQ class
CARBON STEEL	-20°C to +200 °C	DN50 to DN150	777216	B	PLOF	ST
Notes: Where applicable; bolted bonnet qualifies welded bonnet valves of same design						

The following manufacturer brand name / model types will be listed in TAMAP:

Fluroseal / SU-0825