



TEST CERTIFICATE: APT-TC-230322-02

Standard: API 6A 21st Edition Annex F.1.13.5.2
Material: Avalon 87
Status: Qualified

Issued To: Greene Tweed & Co.
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Qualification Statement:

The Avalon 87 compound is qualified to API 6A 21st Edition according to Annex F.1.13.5.2 immersion testing for material class FF/HH 10% H2S design validation procedures meeting Norsok M710 Ed. 3 acceptance criteria.

Qualification Parameters	
35% Gas	10% H2S / 80% CO2 / 10% CH4
60% Hydrocarbon	Kerosene (Diesel #1)
5% Water	Distilled Water
Exposure	Hydrocarbon Liquid Phase
Pressure	1000 ± 100 psi
Duration	160 hours
Temperature	392°F (200°C)

Acceptance Criteria		
Property	Criteria	Result
Volume	+5% /-1%	Pass
Tensile Strength	± 50%	Pass
Elongation at Break	± 50%	Pass
Modulus	± 50%	Pass
Physical Deformation	None Allowed	Pass

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