

TEST OVERVIEW

Parameter	Details
Standard	ASTM B117 / ISO 9227 (NSS)
Salt Solution	5% NaCl · pH 6.5–7.2 · 35 ± 2 °C
Equipment	VINTEST Salt Spray Chamber
Material	S420C Stainless Steel + Passivation
Seal Type	Double Rubber Seal (2RS)

TEST RESULTS

Part No.	Duration	Inspection	Result
SMR85-2RS	24 h	No corrosion, rotation normal	✓ PASS
SMR95-2RS	24 h	No corrosion, rotation normal	✓ PASS
SMR105-2RS	24 h	No corrosion, rotation normal	✓ PASS
SMR85-2RS	48 h	No corrosion, rotation normal	✓ PASS
SMR95-2RS	48 h	No corrosion, rotation normal	✓ PASS
SMR105-2RS	48 h	No corrosion, rotation normal	✓ PASS

CONCLUSION

All three stainless steel bearing models with passivation treatment passed both the 24-hour and 48-hour neutral salt spray tests with zero corrosion or functional degradation. These bearings are suitable for applications with occasional seawater or marine-atmosphere exposure.

DECLARATION

Testing performed in-house by LUMI QC Laboratory on the same production batch as customer samples. Bulk orders maintain identical material spec, passivation treatment, and quality standard as tested samples.

LUMI Precision Miniature Bearings ISO 9001 · RoHS · REACH

TEST PHOTOGRAPHS



Bearings suspended in chamber (t=16:50)



VINTEST chamber — temp 35 °C confirmed



Close-up after exposure — no corrosion