

ORS - SUBMISSION FORM

Internal Vapor Analysis • Leak Testing

ORS
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Client :
 Company :
 Address :
 Tel :
 E-mail :
 cc E-mail :

Date :

Purchase Order :

Expedite Service

LOT IDENTIFICATION

Do samples require ESD precautions during analysis ? Yes No

Manufacturer	Device Type	Package Type	Part Number	Lot Reference	Date Code	Count

Serial Numbers will be reported as found on devices or packing or provided documentation.
 If no SN could be found the samples will be serialized at testing time and marked likewise

HERMETICITY TESTING

Cavity volume (V)	cc
Equivalent standard leak rate (L)	atm-cc/s Air
Max pressure of exposure (Pe)	psia

Helium Fine Leak (A2)
Dry Helium/Oxygen Fine & Gross Leaks (A5)
Fluorocarbons Gross Leak (C1)

LEAK SITE IDENTIFICATION

Helium Sniff Testing

**Fluorescent Dye Impregnation
 and Cross-Sectioning**

Test reports include pictures and comments

INTERNAL VAPOR ANALYSIS

IVA (Sample Volume > 0.1cc)

TOF IVA (Sample Volume <= 0.1cc or Vacuum Sealed)

Test Method (See reverse side for description)

SOP MEL-1053 : Internal Vapor Analysis - Commercial Practice

SOP MEL-1018*: DLA Land & Maritime Suitability for Military Devices - Internal Gas Analysis

Mil-Std-883 TM-1018	Mil-Std-750 TM-1018	Engineering Components	Qualified Components
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* As part of the Laboratory Suitability Program ORS must summarize the Pass/Fail data (Moisture < 5000 ppm) in its retention report to DLA Land & Maritime. All records are subject to audit and inspection by the U.S. Government. Components **must** be categorized as **Qualified** or **Engineering** and will be reported as such

SOP MEL-1070 : Gas Analysis of Sealing Chamber Atmosphere

NB : sampling cylinders available from ORS.**Prebake**

16-24 hrs @100°C	None	Other
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16-24 hrs @100°C Prebake is Mandatory for SOP MEL-1018

Device Test Temperature

100°C	Other :
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Cavity Free Volume

cc

Device Fill Gas

Nitrogen	Nitrogen/Helium
Air	Other :

ABSOLUTE Internal Pressure

~1Atm	Vacuum	Other :
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Specific Puncture Site

No	Yes, location :
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Wall Thickness at Puncture Site

Unknown	mm :
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Test Quantity

All	Other :
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ADDITIONAL INSTRUCTIONS**RETURN SHIPMENT**

None	ORS Shipper	Other
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