

# TEST PROJECT CHECKLIST: OUTGASSING OF AEROSPACE PRODUCTS



Use this checklist to gather key information before requesting material or component outgas testing. Providing this information helps our engineers evaluate your request and prepare an accurate quote.

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| <p><b>Customer Contact Information</b></p> <p><input type="checkbox"/> Business Name</p> <p><input type="checkbox"/> Business Address</p> <p><input type="checkbox"/> Contact Name</p> <p><input type="checkbox"/> Email Address</p> <p><input type="checkbox"/> Phone Number</p> | <p><b>Outgassing Exit Criteria (if applicable)</b></p> <p><input type="checkbox"/> TQCM temperature requirement</p> <p><input type="checkbox"/> TQCM exit criteria (commonly expressed in Hz/hour)</p>  | <p><b>Safety &amp; Hazard Information</b></p> <p>Does the product or support equipment contain hazardous materials?</p> <p>Examples Include:</p> <ul style="list-style-type: none"> <li>• Lithium-ion batteries</li> <li>• Pressurized vessel</li> <li>• Explosives</li> </ul> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p><b>Classified / CUI / ITAR controlled project</b></p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>  | <p><b>Environmental Test Requirements</b></p> <p><input type="checkbox"/> Pressure requirement (Torr)</p> <p><input type="checkbox"/> Temperature extremes (°C)</p> <p><input type="checkbox"/> Number of cycles</p> <p><input type="checkbox"/> Dwell times</p> <p><input type="checkbox"/> Cleanroom requirements</p>                     | <p><b>Cleanliness &amp; Handling Requirements (if applicable)</b></p> <p><input type="checkbox"/> Visibly clean inspection required</p> <p><input type="checkbox"/> Post-bagging requirements</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>  |
| <p><b>Material-Level Outgas Testing</b></p> <p>If testing a material level coupon, please provide the following:</p> <p>ASTM E595</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If not, please specify the procedure or method.</p>                      | <p><b>Analysis Details (if applicable)</b></p> <p>Please indicate if any of the following analyses are required:</p> <p><input type="checkbox"/> FTIR (Fourier-Transform Infrared Spectroscopy)</p> <p><input type="checkbox"/> NVR (Non-Volatile Residue)</p> <p><input type="checkbox"/> GC/MS (Gas Chromatography Mass Spectrometry)</p> | <p><b>Test Article Information</b></p> <p><input type="checkbox"/> Part name</p> <p><input type="checkbox"/> Quantity of samples</p> <p><input type="checkbox"/> Product dimensions or size</p> <p><input type="checkbox"/> Weight of test article</p>   |
| <p><b>Component-Level Outgas Testing</b></p> <p>If testing a component or assembly, please provide the following information:</p> <p><input type="checkbox"/> Controlling document or test specifications</p>   | <p><b>Instrumentation Requirements</b></p> <p><input type="checkbox"/> Provide number of thermocouple measurement channels required</p>   | <p><b>Shipping &amp; Handling Requirements (if applicable)</b></p> <p><input type="checkbox"/> Special packaging or shipping</p> <p><input type="checkbox"/> Return shipping instructions</p>  |

Preparing materials for aerospace outgas testing?

Element supports spacecraft, satellite, and optical programs with expert contamination control and outgassing testing.

