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| Traveler Title | LCLSII-HE BPM Housing Leak Testing Traveler |
| Traveler Abstract | Traveler defines the leak testing process for the LCLSII-HE BPM Housing |
| Traveler ID | L2HE-CMA-BPM-LEAK |
| Traveler Revision  | R1 |
| Traveler Author | Michelle Oast |
| Traveler Date | 24-Mar-22 |
| NCR Informative Emails | Hogan |
| NCR Dispositioners | Weinmann,kwilson |
| D3 Emails | Weinmann,kwilson,Hogan, |
| Approval Names | Michelle Oast | Liang Zhao | Katherine Wilson | John Hogan |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Reviewer | Project Manager |

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| --- | --- |
| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [Cold BPM Assembly](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-254214/F10023160_G_DWG1.pdf) | [BPM Housing](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-254215/F10030776_D_DWG1.pdf) |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| General handling guidelines: Both end flanges contain sealing surfaces. Care shall be taken to avoid scratching/gouging these surfaces and protective covers shall be installed over these surfaces at all possible times. |
| 1 | Leak Check: |
| Leak check the BPM housing per JLAB spec 11141-S-0029-B, "High Sensitivity Vacuum Leak Check Requirements."* No leak shall be detectable on the most sensitive scale of a helium leak detector with a minimum sensitivity (mdl) of 2 x 10-10 mbar x liter / sec.
* The vacuum level during the leak check shall be less than 1 x 10-5 torr.
 | [[BPMSN]] <<SN>>[[LeakCheckTech]] <<USERNAME>>[[LeakCheckDate]] <<TIMESTAMP>>[[LeakCheckOK]] <<YESNO>>[[LeakCheckComment]] <<COMMENT>> |