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| Traveler Title | Parts degreasing and etching |
| Traveler Abstract | This document captures the degreasing and BCP etching of serialized components, other than a cavity. |
| Traveler ID | SRFRD-CHEM-COMP-DEGR |
| Traveler Revision  | R1 |
| Traveler Author | T. HARRIS |
| Traveler Date | 7-Jul-25 |
| NCR Informative Emails | PAIGEW,FIEDLER |
| NCR Dispositioners | TMHARRIS,FOREHAND,KDAVIS |
| D3 Emails | PAIGEW,FIEDLER,TMHARRIS,FOREHAND,KDAVIS |
| Approval Names | T. HARRIS | G. CIOVATI | K. DAVIS | R. GENG |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Production Rep | Project Rep |

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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. |
| [SRF-MSPR-CHEM-CAV-USC-R1](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-261722/SRF-MSPR-CHEM-CAV-USC-R1.pdf)Standard Cavity, Components, or Parts Degreasing Procedure | [SRF-MSPR-CHEM-NB-ACID-R1](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-261723/SRF-MSPR-CHEM-NB-ACID-R1.pdf)Acid Etch Rate Measurement  |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. Adapted from C100R-CHEM-COMP-DEGR-R4 |

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| Step No. | Instructions | Data Input |
| **SAFETY:** Individual must keep safety as the first priority in the process; before beginning any job, the user must assure they have the correct PPE for the individual job. Maintaining the level of safety and secure nature of the work area is paramount. Assure personal safety by using caution in movement and taking necessary steps to avoid unnecessary personnel in the immediate area. |
| 1 | Record Project ID and any project specific instructions | [[PROJSN]] <<PROJSN>>[[PROJNAME]] <<TEXT>> [[ProjInstructions]] <<COMMENT>>[[ProjFiles]] <<FILEUPLOAD>> |
| 2 | Record operator(s), process date and time. | [[CHEMOperator]] <<SRFCVP>>[[DateAndTime]] <<TIMESTAMP>> |
| 3 | Select component type and Serial Number:CEBRZ: Ceramic Brazement (for window)DSRF: Double Sided Rectangular Flange (for window)FPFT: Field Probe FeedthruHMFT: HOM FeedthruMAWA: Modified Adapter Window Assembly (with ceramic and MWF)MWF: Modified Window Flange (for window)VTATH: VTA Tophat WBA: Welded Braze Adapter (for window)WGD: Waveguide (without window)WIN: Window (with ceramic and DSRF)WINWGD: Welded Primary Window with WaveguideIn case of samples enter any ID and/or material in the "DropSN" field and any additional information about the sample from the Service Request in the Comment box | [[Component]] {{CEBRZ,DSRF,FPFT,HMFT,MAWA,MWF,VTATH,WBA,WGD,WIN,WINWGD}} <<SELECT>>[[CEBRZSN]] <<CEBRZSN>>[[DSRFSN]] <<DSRFSN>>[[FPFTSN]] <<FPFTSN>>[[HMFTSN]] <<HMFTSN>>[[MAWASN]] <<MAWASN>>[[MWFSN]] <<MWFSN>>[[VTATHSN]] <<VTATHSN>>[[WBASN]] <<WBASN>>[[WGDSN]] <<WGDSN>>[[WINSN]] <<WINDSN>>[[WINWGDSN]] <<WINWGDSN>>[[DropSN]] <<TEXT>> [[Combine component and matching SN into DropSN for the traveler select box]] <<NOTE>>[[SampleInfo]] <<COMMENT>> |
| 2 | Inspect the component, particularly the flanges and select whether defects are found. Add comments and upload any necessary photos or files. If it does not pass inspection submit an NCR. | [[PreInspectionOK]] <<YESNO>>[[PreInspectedBy]] <<SRF>>[[TimeAndDatePreInspection]] <<TIMESTAMP>>[[PreInspectionComment]] <<COMMENT>>[[PreInspectionDocs]] <<FILEUPLOAD>> |
| 3 | Has the component been degreased?Record Process, Operator, and Date/Time.Add comments and upload any necessary photos or files. | [[DegreasedUSC]] <<CHECKBOX>>[[DegreaseTech]] <<SRF>>[[TimeAndDateDegr]] <<TIMESTAMP>>[[DegreaseComment]] <<COMMENT>>[[DegreaseFile]] <<FILEUPLOAD>> |
| 4 | Do the components need to be etched by BCP?Enter the amount of material removal requested and select the type of BCP solutionEnter Technician and Date/Time of completionSelect whether the old acid mixture was used or a new one was mixed for this process.Enter the date the acid mixture was prepared.Enter the BCP etch time.Enter the removal rate following the Acid Etch Rate Measurement procedureEnter the acid temperature during the etching | [[BCP]] <<CHECKBOX>>[[BCPType]] {{111,112 }} <<SELECT>>[[BCPTech]] <<SRF>>[[TimeAndDateBCP]] <<TIMESTAMP>>[[BCPState]] {{Old,Fresh}} <<RADIO>>[[BCPAcidDate]] <<TIMESTAMP>>[[RemovalAmount]] <<FLOAT>>microns[[BCPEtchTime]] <<FLOAT>>min[[BCPEtchRate]] <<FLOAT>>microns/min[[EtchingTemperature]] <<FLOAT>>degrees Farenheit |
| 5 | Perform a final inspection of the components.Add comments and upload any necessary photos or files. If it does not pass inspection submit an NCR. | [[FinalInspectionOK]] <<YESNO>>[[FinalInspectionTech]] <<SRF>>[[FinalInspection\_TimeAndDate]] <<TIMESTAMP>>[[Final\_Inspection\_Comment]] <<COMMENT>>[[FinalInspection\_File]] <<FILEUPLOAD>> |