

## **PAB Materials Test System**

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|---|--|
| <b>Date of Receipt</b>                  | 11/2/10 , logbook entry # 1409                                 |
| <b>Sample Name/Description</b>          | Copper foil on Mylar film                                      |
| <b>Sample</b>                           |  |
| <b>Composition:</b>                     | copper, polyester (stretched polyethylene terephthalate - PET) |
| <b>Picture Location:</b>                | data base  |
| <b>Weight:</b>                          | 17.4 g   |
| <b>Dimensions/Area:</b>                 | 106 mm x 380 mm/ 402.8 cm <sup>2</sup>                         |
| <b>Source:</b>                          | Walter Jaskierny   |
| <b>Preparation:</b>                     | cleaned  |
| <b>Submerging in LAr or LH2</b>         | no   |
| <b>Time in the airlock(hrs)</b>         |  |
| <b>Purge:</b>                           | 24 h purged from the bottle and 1 h from Luke                  |
| <b>Vacuum:</b>                          |  |
| <b>Room Temperature</b>                 |  |
| <b>Start Time/Date, End Time/Date :</b> | 10/14/2010 10:40 am, 10/18/2010 10:15 am                       |
| <b>PrM run # :</b>                      | 10136  |
| <b>Condenser state:</b>                 | on   |
| <b>Filter state:</b>                    | off  |
| <b>O2 reading:</b>                      | x  |
| <b>H2O reading:</b>                     | increased to 85 ppb then dropped to 12-16 ppb                  |
| <b>Lifetime:</b>                        | 2.5 -3 ms  |
| <b>Liquid Test</b>                      |  |
| <b>Start Time/Date, End Time/Date :</b> | 10/18/2010 10:15 am, 10/21/2010 9:30 am                        |
| <b>PrM run # :</b>                      | 10185  |
| <b>Condenser state:</b>                 | on   |
| <b>Filter state/settings:</b>           | off  |
| <b>O2 reading:</b>                      | x  |
| <b>H2O reading:</b>                     | 10 ppb   |
| <b>Temperature:</b>                     | 96 K   |
| <b>Lifetime:</b>                        | 7-8 ms   |
| <b>VaporTest</b>                        |  |
| <b>Start Time/Date, End Time/Date :</b> | 10/21/2010 9:30 am, 10/22/2010 1 pm                            |
| <b>PrM run # :</b>                      | 10229  |
| <b>Condenser state:</b>                 | on   |
| <b>Filter state/settings:</b>           | off  |
| <b>O2 reading:</b>                      | x  |
| <b>H2O reading:</b>                     | 7-10 ppb   |
| <b>Temperature:</b>                     | 214 K  |
| <b>Lifetime:</b>                        | 6-8 ms   |
| <b>Results/comments</b>                 |  |