**Practical Endorsement – skills log** Name:

**Activity – PAG2.3a Investigate the breaking stress of aluminium foil**

|  |
| --- |
| **1.2.1 Practical skills assessed** |
|  | **Detail** | **Achieved** | **Date** |
| (a) | Apply investigative methods |  |  |
| (b) | Safe and correct use of equipment and materials |  |  |
| (c) | Follow written instructions |  |  |
| (d) | Make and record observations/measurements |  |  |
| (e) | Keep appropriate records of experimental activities |  |  |
| (f) | Present information and data in a scientific way |  |  |
| (j) | use a wide range of experimental and practical instruments, equipment and techniques |  |  |
| **1.2.2 Use of apparatus and techniques** |
| (a) | using appropriate analogue apparatus to record length and distance and to interpolate between scale marks |  |  |
| (b) | Use of appropriate digital instruments to measure mass |  |  |
| (c) | Use methods to improve accuracy of measurements |  |  |
| **Skill Focus** |
|  | Write up to include:Explanation of adjustment to method to ensure precise results achieved (given repeat measurements impossible as sample destroyed) |  |  |
|  | Full analysis of uncertainty in results including % error in final result compared with published values (which must be cited and referenced) |  |  |

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