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| Test Case# | Test Case Values | Valid or Invalid | Classes Covered | Expected Outcome |
| 1 | 1 C 200 g  10.0,  1.0,  0.1,  0.1,  0.1 | Valid | 1, 3, 6 (LB),  8 (UB), 10, 12,  14 (UB) (LB),  17 (LB), 19,  21, 23 | Serving Size:  1 Cup (200g) Protein 10.0g  Carbohydrate 1.0g  Fat 0.1g  Fibre 0.1g  Sodium 0.1g |
| 2 | 20 P 1 ml  1.0,  10.0,  4.9,  2.9,  0.4 | Valid | 1, 3, 6 (UB),  8 (LB), 10, 12,  14 (LB) (UB),  17, 19 (UB),  21 (UB), 23 (UB) | Serving Size:  20 Pieces (200ml) Protein 1.0g  Carbohydrate 10.0g  Fat 4.9g  Fibre 2.9g  Sodium 0.4g |
| 3 | Dave | Invalid | 2 | Error Unit of Measure is incorrect.  Expected “**C**” OR “**P**” OR “**S**” |
| 4 | Power | Invalid | 4 | Error metric unit incorrect.  Expected “**g**” OR “**ml**” |
| 5 | 0 | Invalid | 5 (JBB) | Error Qty too small.  Expected **1 -> 20** |
| 6 | 21 | Invalid | 7 (JAB) | Error Qty too large.  Expected **1 -> 20** |
| 7 | 0 | Invalid | 5 (JBB) | Error size too small.  Expected **1 -> 200** |
| 8 | 201 | Invalid | 9 (JAB) | Error size too large.  Expected **1 -> 200** |

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| Test Case# | Test Case Values | Valid or Invalid | Classes Covered | Expected Outcome |
| 9 | 3, 4, 6.51, 5.56, 3.7777 | invalid | 13 | Error nutrient values incorrectly formatted.  Round to one **decimal place** |
| 10 | 1.0 1.0, 1.0 1.0, 0.2 | Invalid | 11 | Error nutrient values incorrectly formatted.  Expected format: **1.0, 1.0, 1.0, 1.0, 1.0** |
| 11 | \* 0.9,0.9,,, | Invalid | 15 (JBB) | Error nutrient value too small.  Protein: Expected **1.0 - > 10.0 |**  Carbohydrate: Expected **1.0 - > 10.0** |
| 12 | \* 10.1,10.1,,, | Invalid | 16 (JAB) | Error nutrient value too large.  Protein: Expected **1.0 - > 10.0 |**  Carbohydrate: Expected **1.0 - > 10.0** |
| 13 | \* ,,0.0,0.0,0.0 | Invalid | 18 (JBB) | Error nutrient value too small  Expected Fat **0.1 -> 4.9 |**  Expected Fibre **0.1 -> 2.9 |**  Expected sodium **0.1 -> 0.4** |
| 14 | \* ,,5.0,, | Invalid | 20 (JAB) | Error nutrient value too large  Expected Fat **0.1 -> 4.9** |
| 15 | \*,,,3.0, | Invalid | 22 (JAB) | Error nutrient value too large  Expected Fibre **0.1 -> 2.9** |
| 16 | \* ,,,,0.5 | Invalid | 24 (JAB) | Error nutrient value too large  Expected sodium **0.1 -> 0.4** |

**\* left out numbers for legibility, position in comma separated list indicates test subject**