|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 | 2(LB), 4, 6, 8, 10, 12, 15(UB), 17, 19, 21, 27, 29, 33, 35, 40, 42, 44  Lower bound NUT N.P check | 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 | 2(UB), 4, 6, 8, 10, 12, 15(LB), 17, 19, 21, 27, 29, 33, 35, 40, 42, 44  Lower bound NUT N.P check | Serving Size:  20 Pieces (200ml) Protein 1.0g  Carbohydrate 10.0g  Fat 4.9g  Fibre 2.9g  Sodium 0.4g |
| 3 | 0 P 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 1(JBB) | Quantity less than 1  Expected **1 -> 20** |
| 4 | 21 P 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 3(JAB) | Quantity greater than 20  Expected **1 -> 20** |
| 5 | 4.5 P 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 5 | Quantity not a whole number  Expected **1 -> 20** |
| 6 | 4% P 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 7 | Quantity : Non numeric character detected. Expected **1 -> 20** |
| 7 | 4 8 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 9 | Unit : Non alphabetic character detected. Expected **C P or S** |
| 8 | 4 CPS 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 11 | Unit : 1 Character expected  Expected **C P or S** |
| 9 | 4 Z 1 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 13 | Unit : Expected **C P or S** |
| 10 | 4 C 0 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 14(JBB) | Size less than 1  Expected **1 -> 200** |
| 11 | 4 C 201 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 16(JAB) | Size greater than 200  Expected **1 -> 200** |
| 12 | 4 C 145.5 ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 18 | Size not a whole number  Expected **1 -> 200** |
| 13 | 4 C 14% ml 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 20 | Size: Non numeric character detected. Expected **1 -> 200** |
| 14 | 4 C 14 a 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 22 | Metric symbol not g or ml |
| 15 | 4 C 14 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 23 | Metric symbol absent |
| 16 | 4 C 14 8 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 24 | Metric symbol is not alphabetic |
| 17 | 4 C 14 abc 1.0, 10.0, 4.9, 2.9, 0.4 | Invalid | 25 | Metric symbol is greater than 2 characters |
| 18 | 4 C 14 ml 1.0, 10.0, 4.9, 2.9 | Invalid | 26(JBB) | Number of nutrient values less than 5 |
| 19 | 4 C 14 ml 1.0, 10.0, 4.9, 2.9, 0.4, 0.4 | Invalid | 28(JAB) | Number of nutrient values greater than 5 |
| 20 | 4 C 14 ml 1.0, 10.0, 4.9, 2.9, -0.4 | Invalid | 30 | Nutrient value is not a positive number |
| 21 | 4 C 14 ml 1.0, 10.0, 4.9, 2.9, 0.4% | Invalid | 31 | Nutrient value is not a decimal number |
| 22 | 4 C 14 ml 1.0, 10.0, 4.9, 2.9, 0.34 | Invalid | 32 | Nutrient value is not rounded to one decimal place |
| 23 | 4 C 14 ml 1.0 10.0, 4.9, 2.9 0.3 | Invalid | 34 | Each nutrient not comma separated |