

Table (3): The percentage content* of whey protein of pH 4.6 precipitate

| Ratio of skim milk/ whey | Unsalted whey | | | | Salted whey | | | |
|--------------------------|---------------------------|-------------------------|-------------------------------|----------------------------|---------------------------|-------------------------|-------------------------------|----------------------------|
| | **WPN (original solution) | ***SWPN (After heating) | Precipitated whey protein (%) | ****WPN in precipitate (%) | **WPN (original solution) | ***SWPN (After heating) | Precipitated whey protein (%) | ****WPN in precipitate (%) |
| Skim milk | 96.37 | 29.25 | 69.65 | 10.78 | 77.00 | 12.75 | 83.44 | 15.28 |
| 4:1 | 87.33 | 28.75 | 67.08 | 12.89 | 85.75 | 18.20 | 78.77 | 16.95 |
| 3:1 | 79.24 | 24.75 | 68.59 | 12.65 | 78.75 | 14.00 | 82.22 | 17.30 |
| 2:1 | 80.38 | 28.50 | 64.54 | 16.63 | 78.28 | 22.00 | 71.90 | 17.20 |
| 1:1 | 82.28 | 27.00 | 67.19 | 20.43 | 80.00 | 16.15 | 67.31 | 18.75 |
| 1:2 | 81.03 | 28.00 | 65.44 | 27.98 | 81.75 | 24.75 | 69.72 | 25.31 |
| Whey | 84.88 | 30.00 | 64.66 | 100 | 81.46 | 25.90 | 68.21 | 100 |

*average of three replicates

** Whey protein N = NCN – NPN

*** Soluble whey protein N = pH 4.6 SN – NPN

****Whey protein N in precipitate % = (Precipitate N after heating – Casein N before heating) / Precipitate N after heating