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**Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.**


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**SPECIFICATION OF SKIM MILK POWDER  
PRODUCED BY  
GOKUL DAIRY PROJECT, KOLHAPUR**

| No | DESCRIPTION                     | EXTRA GRADE<br>SPECIFICATION<br>AS PER<br>IS :13334 (PART 2) | RESULT OF GOKUL<br>DAIRY MADE FROM<br>BUFFALO MILK | RESULT OF GOKUL<br>DAIRY MADE FROM<br>COW MILK     |
|----|---------------------------------|--------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 1  | Colour & Flavour                | White with<br>greenish/yellowish tinge<br>and clean flavour  | White with greenish<br>tinge and clean flavour     | White with Yellowish<br>tinge and clean<br>flavour |
| 2  | Moisture %                      | 3.5 % ( Max.)                                                | 3.2 To 3.5 %                                       | 3.0 To 3.5 %                                       |
| 3  | Fat % ( By<br>mass )            | 1.25 % ( Max.)                                               | 0.5 % to 1%                                        | 0.5 % to 1%                                        |
| 4  | Acidity %                       | 1.50 % ( Max.)                                               | 1.20 TO 1.25 %                                     | 1.20 TO 1.30 %                                     |
| 5  | Insolubility Index<br>(ml)      | 0.50 % ( Max.)                                               | Less than 0.5 ml                                   | Less than 0.5 ml                                   |
| 6  | Standard plate<br>count per gm. | 40,000 ( Max.)                                               | 3000 To 7000                                       | 2000 To 8000                                       |
| 7  | Coliform in 0.1<br>gm.          | Absent                                                       | Absent                                             | Absent                                             |
| 8  | Presumptive<br>Coliform test    | Negative                                                     | Negative                                           | Negative                                           |
| 9  | Staph.aureus                    | Absent in 0.1 gm.                                            | Absent                                             | Absent                                             |
| 10 | Salmonella                      | Absent in 25 gm.                                             | Absent                                             | Absent                                             |
| 11 | Shigella                        | Absent in 25 gm.                                             | Absent                                             | Absent                                             |
| 12 | Scorched particle               | Equivalent to Disc 'B'                                       | Between A to B Disc                                | Between A to B Disc                                |
| 13 | Ash % (On dry<br>basis)         | 8.2 % (Max.)                                                 | 7.6 % to 7.8%                                      | 7.2 % to 7.5%                                      |
| 14 | Protein                         | ----                                                         | 36 to 37                                           | 33.0 to 34.0                                       |
| 15 | Lactose                         | ----                                                         | 51.0 to 52.0                                       | 51.0 to 53.0                                       |

  
**S.P. Samudre**  
**Manager ( Q.C. )**