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1 Product Specification and Technical Information:

1.1 Collagen Film Rolls and Sheets.

2 Product Grade

Worldwide use on all applications.

3 Product Description:

3.1 Collagen film is manufactured utilizing Good Manufacturing Practice. It is supplied as a translucent film wound onto a core or as pre-cut sheets of specified sizes.

4 Sales Unit:

4.1 For rolls, a carton of up to 9 wound rolls of various width and length combinations and for sheets as 1000 sheet cartons corresponding to specified length and width requirements.

5 Product Composition (Typical Analysis):

5.1

	<u>Red Film</u>	<u>Clear Film</u>	<u>Brown Film</u>
Protein	61% ave	69% ave	61% ave
Total Polyol	20% min	23% ave	20% min
Red Dye Type 2 (Carmine E120), Turmeric (E100), Paprika (E160c)	11% avg	Nil	Nil
Caramel (E 150 (c))	Nil	Nil	11% avg
Water	8% avg	8% avg	8% avg
Ash	1% max	1% max	1% max
Arsenic	1.0 ppm max	1.0 ppm max	1.0 ppm max
Lead	5.0 ppm max	5.0 ppm max	5.0 ppm max
Cadmium	0.5 ppm max	0.5 ppm max	0.5 ppm max
Mercury	0.15 ppm max	0.15 ppm max	0.15 ppm max
Chromium	10 ppm max	10 ppm max	10 ppm max
Copper	30 ppm max	30 ppm max	30 ppm max
Zinc	50 ppm max	50 ppm max	50 ppm max
SO ₂ (Reith Williams)	50 ppm max	50 ppm max	50 ppm max
H _X O _X	10 ppm max	10 ppm max	10 ppm max

6 Physical Attributes:

6.1 Width - Code dependant

Thickness - 0.013 mm minimum

6.2 Average Carton Content - According to product code, total film length in carton will not be less than stated, subject to ZIP-net length testing standard methodology.

6.3 Average Reel/Sheet Content - According to product code, average reel/sheet length will not be less than average carton content divided by stated number of reel/sheets in carton.

7 Product Microbial Condition:

<u>Microbiological parameters</u>	<u>Limit</u>
Total Aerobic Bacteria	10 ³ /g
Coliforms (30° C)	0 / g
Coliforms (44.5° C)	0 / 10g
Anaerobic sulphite - reducing bacteria(no gas production)	10 / g
<i>Clostridium perfringens</i>	0 / g
<i>Staphylococcus aureus</i>	0 / g
<i>Salmonella</i>	0 / 25g

7.1 No sales batch will exceed these limits on average; subject to manufacturers microbiological standard methodology.

8 Shelf Life

8.1 It is recommended that cartons should be used within 2 years from date of manufacture and should be stored in a cool dry place avoiding extreme temperature variations. Cartons should be retained in sealed wrapping film and only opened immediately prior to use.

9 Packaging:

9.1 Rolls wound on food approved cores, and packed 9 to a shipping carton, after wrapping in sealed moisture barrier film tube.

9.2 Sheets are cut and packed in cardboard trays or cases with moisture barrier layer included prior to final packing in shipping cases. This moisture barrier layer could be polythene or sealed wrapping film.

10 Product Identification:

10.1 Carton: Case No, Product Code and Description, Contents - Actual rolls/sheets.

10.2 Wrapping Film: Product Code, Average Contents, Control Number.

11 Health and Safety Information:

13.1 The product as supplied does not constitute any known hazard to health.

13.2 No special handling requirements are necessary.

12 Country of Origin:

14.1 UK