

AMLT18 EXOTIC LEATHER AND BY-PRODUCTS MANUFACTURE

- i. Detailed manufacturing processes of the following leathers with the chemistry behind every unit operation.
- ii. The processes would commence from raw hides & skins i.e. from beam house operations to finishing operations.
- iii. Each unit operation should include the controlling factors and checkpoints in details.

1. Fancy Glove Leather.
2. Waterproof Glove Leather.
3. Heat resistant Glove Leather.
4. Glace Kid Leather.
5. Cow Suede Leather.
6. Goat Suede Waterproof Leather (full chrome/semi chrome).
7. Cow Nubuck Upper Leather .
8. Cow Nubuck Garment Leather .
9. Brush – Off Upper Leather .
10. Cow Garment Nappa Leather .
11. Buffalo Garment Nappa Leather .
12. Goat Garment Leather .
13. Cow Shoe Nappa Leather .
14. Oil Pull – Up Leather .
15. Cracked Finished Split Leather .
16. Split Suede Water Proof Leather .
17. Buffalo Water Proof Leather .
18. Chrome Retanned Foot Ball Leather .
19. Stain Resistant Cow Upholstery Leather for furniture.
20. Buffalo Antifogging Upholstery Leather for automobile use..
21. Vegetable Tanned Lining Leather .
22. Chrome Tanned Goat Lining Leather .
23. Vegetable Tanned Sole Leather .
24. Chrome Tanned Sole Leather .
25. Antique Bag Leather .
26. Sheep Washable Garment Nappa .
27. Shrunken Grain Leather .
28. Drymilled Leather .
29. Drum Dyed leather .
30. Corrected Grain Leather .
31. Finished Split Leather .
32. Glaze Finish .
33. Chamois leather.

34. Harness and saddlery leather.
35. Dog chew.

BYE- PRODUCTS:

- 1.1 Types of animal bye-products from abattoirs, meat processing plants, tannery and other sources including fallen animals.
- 1.2 Glue and gelatine from different raw materials; difference in glue and gelatine, manufacturing process of glue and gelatine, equipment necessary for glue and gelatine manufacture, quality controls for technical, edible and pharmaceutical gelatines, difference between acid and alkali treated gelatine- their manufacturing process, properties and uses.
- 1.3 Assessment of quality-chemical treatments- preservation and packing for wool industry. Bone products and their utilization.
- 1.4 Detanning and recovery of chromium, methods of making glue, gelatine, detergents, and aminoacids from chrome shavings. Manufacture of Leather Board.
- 1.5 Industrial applications of collagen other than leather industry, Manufacture of manure from unusable tannery products, recovery of chromium from effluents of tan yard.

Reference Books:

1. An Introduction to the Principles of Leather Manufacture. - S. S. DUTTA. 4th edition, ILTA, Calcutta.
2. The Chemistry and Technology of Leather. - Roddy, Lollar, Vol. II & III. Robert. E. Krieger Publishing Co. N. Y.
3. Practical Aspects of the Manufacture Of Upper Leathers. – J. M. DEY. B.TEILTA, Calcutta.
4. Theory and Practice of Leather Manufacture. - K. T. SARKAR. Mcmillan India Press, Madras.