Dressing agent for fur skins
Tanning agent for white leathers

Lutan FN is an aluminium tanning agent for the production of light, soft and stretchy fur skins.

In conjunction with suitable auxiliaries, the product gives white, lightfast, washable glove leather with alum tanned character.
Lutan FN

**Nature**
Basic aluminium complex salt.

**Specification**
- Aluminium content \((\text{Al}_2\text{O}_3)\): ca. 17%
- Basicity: ca. 20%

**Storage**
The product may be stored for one year in the original closed containers at temperatures below 40 °C.

---

**Properties**

Lutan FN is a white to faintly yellowish powder which dissolves readily in water. The solutions are compatible with acids, salts, chrome tanning agents as well as fatliquors and auxiliaries.

Fur skins tanned with Lutan FN are similar in handle and stretchiness to those produced by the well-known Leipzig dressing method but have the advantage over the latter that they are more durable.

The leather of fur skins tanned with Lutan FN is more resistant to water than that obtained by tannage with alum. The fastness properties achieved by a chrome tannage, however, are not attained.

---

**Application**

Lutan FN is suitable for tanning all types of fur skins in a bath or by the brushing process.

Basca\(^c\)\(^c\) S in conjunction with formic acid has proved to be particularly suitable for pickling with regard to handle, lightness and stretchiness of the resultant skins.

Tannage with Lutan FN is subsequently effected in a fresh bath. Incorporation of Neutrigan\(^c\)\(^c\) P 4 enhances the fixation of aluminium salt to the skin fibre and promotes production of a still softer fur skin leather.

Lutan FN is also well suited for the production of white, lightfast, washable glove leather as shown, e.g. in example of application No. 4.

**Examples of application**

1. Dressing various types of lamb and sheep skins
   (Float ratio 10:1 to 20:1 calculated on the dry weight)

   Soaking:

   \[0.5 \text{ g/l Mollescal}\(^c\)\(^c\) C Conc.\]
   
   water at 25 – 28 °C, overnight, rinse.
1st scouring bath:

2 – 4 g/l Eusapon® AS or LPK
0.5 – 1 g/l soda ash

water at 38 °C, 1 hour, rinse, flesh.

If necessary, treat in a second scouring bath:

2 – 3 g/l Eusapon AS or LPK
2 – 3 g/l Blankit® PO

water at 38 °C, 2 – 3 hours, rinse.

Resoaking and pickling:

30 g/l common salt
3 g/l Bascal S

water at 25 °C, overnight, add

20 g/l common salt
2 – 5 ml/l formic acid 85%

6 hours or overnight, horse up if necessary.

Tannage:

40 g/l common salt
15 g/l Lutan FN
3 g/l Lipoderm® Liquor PN or CMG
3 g/l Lipoderm Liquor PSE

water at 35 °C, 2 hours, add

2 – 3 g/l Neutrigan P 4

overnight, the next morning basify to pH 3.8 with sodium bicarbonate, leave in the bath for a further 3 – 4 hours, horse up, dry.

2. Combination tannage for lamb and sheep skins

This method is also particularly suitable for double face wool skins. Float ratio, soaking, scouring, pickling, etc., same as in example 1.

Tannage:

40 g/l common salt
5 g/l Lipoderm Liquor PN or CMG
3 g/l Lipoderm Liquor PSE
6 g/l Lutan FN
12 g/l Chromitan® B

water at 35 °C, 2 hours, add
2 – 3 g/l Neutrigan P 4

overnight, the next morning basify to pH 3.8, leave in the bath for a further 3 – 4 hours, horse up.

Neutralization, bleaching and fatliquoring, e.g.

2 g/l Neutrigan P 4
1 g/l sodium bicarbonate

water at 35 °C, after 30 min add

2 – 3 g/l Blankit P
2 – 3 g/l Blankit PO
4 – 6 g/l Lipoderm Liquor CMG, PN or PSE

leave skins in the bath for a further 2 hours, leave lying for one day, dry and finish in the usual way.

3. Dressing all types of fur skin other than that of the sheep family

The method described in example 1 can generally be used for processing these types of skin. The second wash bath may be omitted.

For dressing skins with a very dense structure, it may be advantageous to extend the pickling time to about 48 hours. The thickness of the skins is usually reduced after pickling.

Various types of skin, e.g. muskrat, require a more intensive oiling.

4. Tannage for soft and full glove leather

Pickling:

80 – 100 % water at 30 °C
8 – 10 % common salt

run 5 min, add

1.5 % formic acid 85%
10 % water

in 2 portions at an interval of 30 min, total drumming time 2 hours, leave in the bath overnight (pH 3.5).

Tannage:

20 % water at 30 °C
3 % Bastamol® K
1 % Bastamol B

drum 2 hours, fresh bath.
40 % water at 40 °C
5 % Lipoderm Liquor PN or CMG
3 % Eusapon AS

   drum 1 hour, add

3 % Lutan FN
0.2 % Chromitan B
20 % water

   drum 2 hours, add

2 % Neutrigan P 4
20 % water

   in 2 portions at an interval of 10 min, total drumming time 90 min (pH bath and leather 4.5), horse up 2 days, dry, etc., finish in the usual way.

The percentages refer to the pelt weight.

The white effect that is already somewhat improved by Chromitan B can often be further increased by adding 1% of Blankit PO after the addition of Neutrigan P 4.

Detailed information on the BASF products recommended besides Lutan FN is contained in the appropriate Technical Information leaflets.

---

**Safety**

We know of no ill effects that could have resulted from using Lutan FN for the purpose for which it is intended and from processing it in accordance with current practice.

According to the experience that we have gained over many years and other information at our disposal, Lutan FN does not exert any harmful effects on health, provided that it is used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheet are observed.

---

**Note**

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.