

Illustration on wool


Characteristics

C. I.	Acid Yellow 99
C. I. No.	13900
CAS No.	10343-58-5
Chemical class	Metal complex azodye

Properties

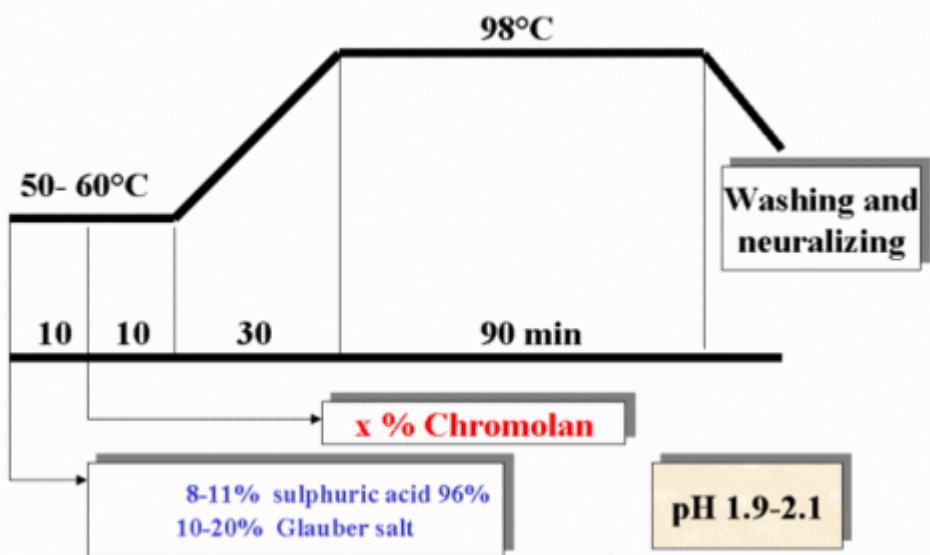
Solubility (g/l at 90°C)	20
Levelling	4-5

Fastness

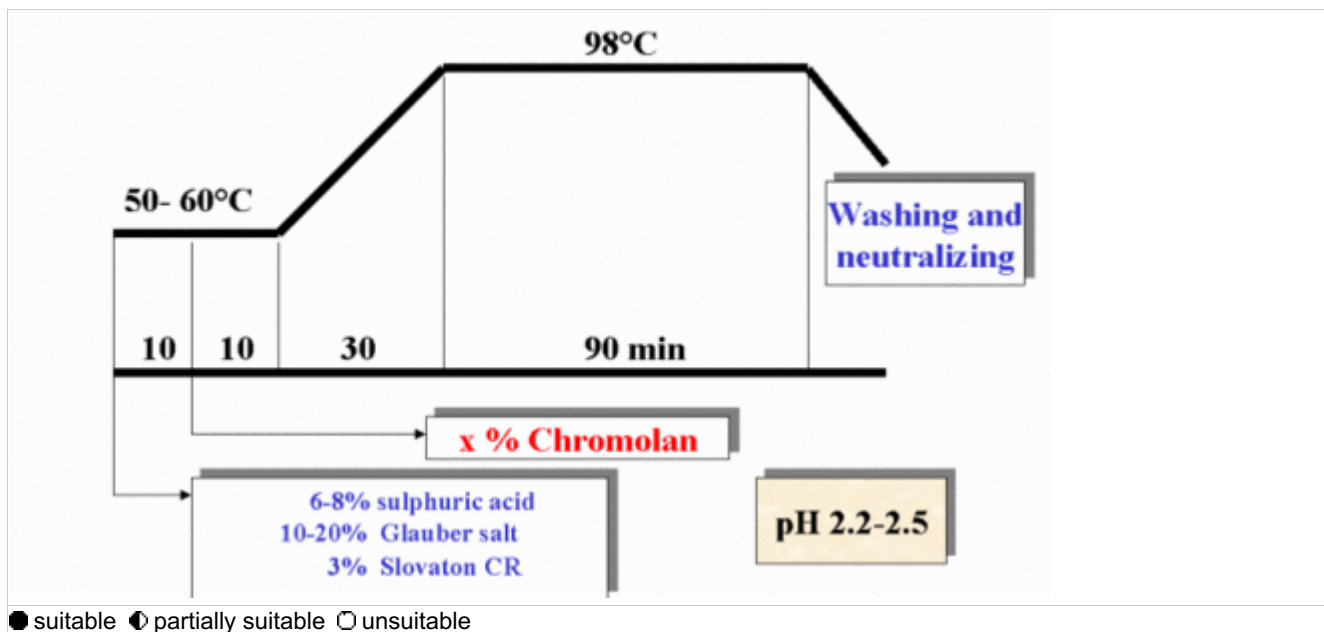
	wool				
<i>standard depth</i>	1/12	1/6	1/3	1/1	2/1
Daylight	2-3	3	3-4	4	4
Light Xenotest	3-4	3-4	4	5	5-6
<i>standard depth</i>	1/1				
Water	4-5	4-5	4-5	4-5	4-5
Washing 60°C	3-4R	4-5	4-5	4-5	4-5
Perspiration acid	4-5	4-5	4-5	4-5	4-5
Perspiration alkaline	4-5	4-5	4-5	4-5	4-5
Sea water	4	4-5	4-5	4-5	4-5
Hot pressing wet after 4 h	4			5	
Rubbing dry				4-5	
Milling alkaline <i>mild</i>	4R	4-5	4-5	4-5	
Carbonizing	4-5	4-5	4-5		
Decatizing	3-4R				
Dry cleaning	4-5				

Application possibilities

Exhaustion dyeing I ●



Exhaustion dyeing II ●



Testing methods

Solubility

The figures express solubility of dye in grams of dissolved dye in one liter distilled water at 90°C

Levelling

The given figures mean:

5 - excellent levelling

4 - very good levelling

3 - good levelling

2 - lower levelling

1 - npoor levelling

Fastness standards

Daylight ISO 105-B01-1994

Light Xenotest ISO 105-B02-1994

Water ISO 105-E01-1994

Washing ISO 105-C03-1989

Perspiration ISO 105-E04-1994

Sea water ISO 105-E02-1994

Ironing ISO 105-X11-1994

Rubbing ISO 105-X12-1987

Milling DIN 54 040

Carbonizing ISO 105-X02-1993

Decatizing ISO 105-E10-1994

Dry cleaning ISO 105-D01-1993

The fastness figures in the tables show:

fastness to light other fastness

1 - very poor 1 - poor

2 - poor 2 - moderate

3 - moderate 3 - fairly good

4 - fairly good 4 - good

5 - good 5 - very good

6 - very good

7 - excellent

8 - unsurpassed

The individual values at fastness data mean:

first number - change of shade

second number - staining on undyed adjacent woolen material

third number - staining on undyed adjacent cotton material

The figures at carbonizing mean:

first number - change of shade before neutralizing

second number - change of shade after neutralizing