Chelatin-SA

A biodegradable sequestering agent

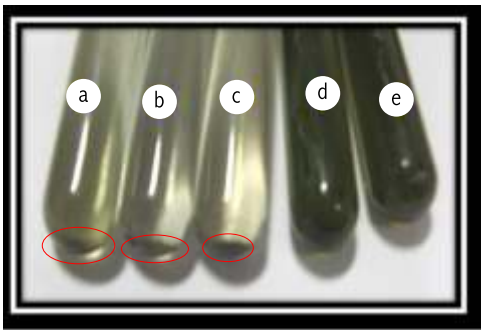
CHELATIN-SA

Chelatin-SA is a multifunctional sugar acrylate polymer auxiliary with an efficient sequestering, dispersing (protective colloid) and chelating action for all stages in wet processing and dyeing of textiles made from cellulosic and its blends.

Ionic Nature	:	Anionic
Solubility	:	Miscible in water
Strength, %	:	53 ±2 %
Recommended dosage	:	Batch:0.5 to 1 g/l Continuous: 1-2 g/l
Storage stability	:	9 months

SPECIAL FEATURES

- GREEN Product: Biodegradable
- Single product for sequestering and stabilization in bleach bath
- Does not increase TDS/ COD.
- Caustic dosage in the recipe can be reduced by 30%.=> less TDS and less acid for neutralzn
- Suitable for scouring bleaching and washing-off.
- Suitable for exhaust and continuous application



a : Blank
b : Iron 50 ppm
c : Iron 70 ppm
d : Iron 50 ppm + Chelati-SA 2 g/l
e : Iron 50 ppm + Chelati-SA 2 g/l

Fig.1: Dispersion Test after reactive dyeing

Fig.2: Effect of Chelatin-SA on hard water in alkaline solution

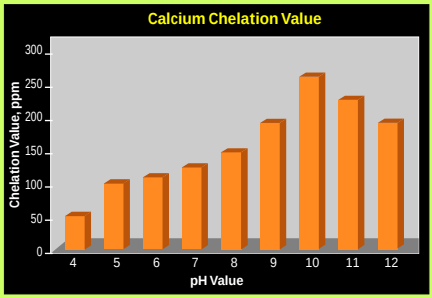


Fig.3: Effect of Chelatin-SA on calcium chelation value at different pH

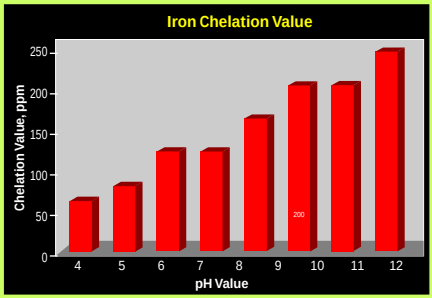


Fig.4: Effect of Chelatin-SA on iron chelation value at different pH

FOR RFD COTTON:

Combination of Celldet-R + Chelatin-SA

Celldet-R	-	0.35 - 0.5 g/l
Chelatin-SA	-	0.4 - 0.5 g/l
Caustic flakes	-	0.5 - 0.75 g/l
Soda ash	-	0.6 g/l
Peroxide (50%)	-	2.5 g/l

Treat at 98 deg.C for 45 mins or 110 deg.C for 25 mins.

Drain and quench residual peroxide with Saroxy-K Mod (0.6 g/l)

IN DYEING:

(As a sequestering agent)
Chelatin-SA : 0.5 - 1 g/l