

63040 Gelatine Restoration 3

These gelatines are recommended for the preservation of historical books and documents.
This gelatine can be mixed with Restoration 1 (#63038) to adjust the properties.

CAS No.:	9000-70-8
Appearance:	white to yellowish powder
Grain size:	≤ 3.0 mm
Miscibility:	soluble in warm water
Application:	technical applications, restoration works, including ink corrosion repair
REACH:	Polymer: exempted from registration

Specification

Test Characteristics	Specification	Method
Gel strength	60 - 120 g Bloom	AOAC
Viscosity	1.80 – 2.70 mPa.s	6.67 %, 60°C
pH Value	5 – 6	6.67 %, 60°C
Transmission 620 nm	≥ 85 %	6.67 %, 620 nm
Transmission 450 nm	≥ 60 %	6.67 %, 450 nm
Conductivity	≤ 150 µS/cm	1.00 %, 30°C
Calcium	≤ 250 mg/kg	Complexometry
Moisture	9 – 14 %	≥ 16 h; 105°C
Peroxides*	≤ 10 mg/kg	Ph.Eur./USP-NF
Sulphur dioxide*	≤ 10 mg/kg	Ph.Eur./USP-NF
Arsenic*	≤ 1.0 mg/kg	ICP-OES
Cadmium*	≤ 0.50 mg/kg	ICP-OES
Chromium*	≤ 10 mg/kg	ICP-OES
Copper*	≤ 30 mg/kg	ICP-OES
Mercury*	≤ 0.15 mg/kg	ICP-OES/AAS
Lead*	≤ 5.0 mg/kg	ICP-OES
Zinc*	≤ 50 mg/kg	ICP-OES

*The parameter is monitored according to an internal quality program

Storage

Shelf life: at least 5 years when stored in the original packaging.

Store at room temperature, dry and odorless. Do not break seals until ready to dispense.