

63043 Gelatine Ballistic 3

Powder gelatine

CAS No.: 9000-70-8
 Appearance: white to yellowish powder
 Grain size: ≤ 3.0 mm
 Miscibility: soluble in warm water
 Application: technical applications, tissue simulation and ballistic tests according to NATO, FBI and German Police TGR 9 mm
 REACH: Polymer: exempted from registration

Specification

Test Characteristics	Specification	Method
Gel strength	255 - 265 g Bloom	AOAC
Viscosity	3.40 – 4.60 mPa.s	6.67 %, 60°C
pH Value	4.70 – 5.70	6.67 %, 60°C
Transmission 620 nm	≥ 93 %	6.67 %, 620 nm
Transmission 450 nm	≥ 83 %	6.67 %, 450 nm
Conductivity	≤ 300 μ S/cm	1.00 %, 30°C
Moisture	9 – 13 %	≥ 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.