

## 63041 Gelatine Ballistic 1

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, ballistic testing with photo and video documentation  
 REACH: Polymer: exempted from registration

### Specification

| Test Characteristics | Specification     | Method         |
|----------------------|-------------------|----------------|
| Gel strength         | 250 - 290 g Bloom | AOAC           |
| Viscosity            | 5.0 – 6.0 mPa.s   | 6.67 %, 60°C   |
| pH Value             | 5.35 – 5.95       | 6.67 %, 60°C   |
| Transmission 620 nm  | ≥ 95 %            | 6.67 %, 620 nm |
| Transmission 450 nm  | ≥ 85 %            | 6.67 %, 450 nm |
| Conductivity         | ≤ 120 µS/cm       | 1.00 %, 30°C   |
| Calcium              | ≤ 150 mg/kg       | Complexometry  |
| 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.