

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-08 17:23:04

Date of Next Testing: 2029-05-07 17:23:04

Product Name: **Transparent Radiation-Resistant Blood Separation Gel**

CAS Number:

Specifications & Purity:

BioReagent

Lot #:

ZJ26F0434866

SKU #

R1520189

Version:

1

Analysis #:

032992

Parameter	Limit Value	Result
Specific Gravity (Centrifuge at 2500g RCF for 5 minutes at 25°C)	1.05-1.06(g/ml)	1.05500 g/ml
Volatile Content (Take 5g gel into 50ml beaker, bake at 150°C for 3 hours)	≤ 1.5(%)	1.05000 %
Seal Integrity Testing	Conform	Conform
Appearance(R1520189)	Colorless transparent or semi-transparent colloid, no visible foreign matter, slightly pale yellow	Colorless transparent or semi-transparent colloid, no visible foreign matter, slightly pale yellow
Viscosity (25°C): (10-15) × 10 ⁴ mPa·s	Conform	Conform
Inversion Test (After storage at 4°C for 1 hour, add copper sulfate solution (specific gravity 1.080), centrifuge at 1500g RCF for 5 minutes; flip thickness ≥ 4 mm.)	Conform	Conform
Bubble Test (Evacuate test tubes containing gel, store for 24 hours and observe for bubbles.)	None Detected	None Detected
Centrifugation Experiment (After water bath at 40°C for 1 hour, add copper sulfate solution (specific gravity 1.040), centrifuge at 2000g RCF for 5 minutes; no change in gel surface.)	Conform	Conform
Fluidity (Centrifuge gel tubes with bench centrifuge, mark gel surface, bake at 60°C for 3 hours; endpoint distance from mark ≤ 3 mm.)	Conform	Conform

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Parameter	Limit Value	Result
Reagent Compatibility (Water: No turbidity or dissolution after 24 hours of contact.)	Conform	Conform
Reagent Compatibility (Ethanol: No whitening after 30 minutes of contact with 50–80% ethanol.)	Conform	Conform
Reagent Compatibility (Saline: No obvious change after 1 hour of contact with 10–20% NaCl solution.)	Conform	Conform
Floating Matter (No diffusion or oil slick on water surface.)	Conform	Conform
Microbial Count (≤ 10 CFU/ml)	Not Detected	Not Detected



Sophia Cheng
Quality Assurance