

ESUNMED mPEG-PCL RAW MATERIAL

Product Name	mPEG-PCL
CAS No.	PEG: 25322-68-3, PCL: 24980-41-4
Batch No.	25112509011090
Production Date	251125
Test Date	251206

Item	Unit	Standard	Reference Standard	Method	Result
Appearance	/	White or off-white solid	/	Visual Inspection	White solid
Product Identification	/	Consistent with the standard map	/	¹ HNMR	Conforms
Intrinsic Viscosity [η]	dL/g	0.3-0.4	Pharmacopeia 0633	25°C, THF	0.39
Weight-Average Molecular Weight	/	/	/	GPC (CDCl ₃)	73563
Molecular Weight Distribution	/	≤2.5	/	GPC (CDCl ₃)	1.60
Molecular Weight of PEG	/	~5000	/	GPC (THF)	6830
Moisture	%	≤0.5	Pharmacopeia 0832	Karl Fischer Coulometric Titration	0.25
Monomer Residue	%	≤1	YY/T 0661-2017	GC	0.75
Solvent Residue (Total)	ppm	<1000	Pharmacopeia 0861	GC	0
Single Solvent Residue	ppm	ICH Q3C	Pharmacopeia 0861	GC	Dichloromethane: 0 Anhydrousethanol : 0
Heavy Metal Residue (Pb)	μg/g	≤10 (Pb)	Pharmacopeia 0821	Pharmacopeia 0821	Conforms



Sn Residue	µg/g	≤150	YY/T 0661-2017	ICP-MS	Conforms
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Storage Conditions: Store in a low-temperature refrigerator at 2-8°C.

Inspector:

Reviewer:

